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PLUMBING ECONOMY



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We Show You How
To Do The Work
Yourself.
We Sell You The
Material at
Factory Prices

Montgomery Ward & Co.

NEW YORK, CHICAGO, KANSAS CITY, FORT WORTH, PORTLAND.

Our Guarantee

We guarantee every article in this book to be strictly as represented.

We guarantee all our Plumbing Fixtures to be first quality, strictly A-grade, and perfect.

We guarantee all our pipe, pipe fittings, brass valves, etc., to be regular, full weight product, equal to the best on the market, grade for grade.

Should you place your order with us for any of this material, and find that it does not come up to our representation, or please you in every respect, we want you to return it to us and we will refund the full amount you have paid, together with all transportation charges.

We guarantee absolute satisfaction with every purchase.

Montgomery Ward & Co.

NEW YORK

CHICAGO


KANSAS CITY

FORT WORTH

PORTLAND

WHAT WE OFFER YOU IN THIS BOOK

A Complete Line of High Grade Plumbing Material at Factory Prices



TO anyone posted on plumbing values, or rather plumbing prices as upheld and controlled by the plumbers' combination throughout the country, this book will come as a complete surprise. On turning over the pages and noting the prices at which we are offering these goods, the first question that will be asked is, "How can we do it?" "How is it possible for us to offer such modern high grade bathroom combination, modern kitchen sinks, laundry tubs, high-grade pipe and fittings, valves, etc., in fact, anything and everything in the plumbing line, mean a saving to you of 30 to 50% over prices which are accustomed to pay, or have been offered by your local

Save Money

is easy. The high prices maintained by local plumbers represent the actual value of the goods; they are inflated by a wasteful and extravagant system of distribution. Goods through the different channels which they pass to the factory, unnecessary handling, etc., which they finally reaching the consumer, and compare this waste-

ful method with our economical sales system, our system of handling and distributing these goods direct from factory to you, and you will not have to look further for an explanation.

The prices quoted in this book represent the real value of the goods, the actual cost of the material at the factory, with our one small percentage of profit added. This is where the big saving comes in.

As to Quality

The quality of these goods is the very highest. Do not allow our wonderfully low prices to lead you to believe that there is anything of inferior or low grade quality about this material. We do not handle culls, seconds, or B grade goods. Every article in this book is strictly first-class A grade, and free from defects or imperfections of any kind.

Highest Grade Product

These goods are all manufactured according to the very highest standard. In workmanship, finish and material this product will be found equal to any on the market. In the manufacture of all our enamelware, the latest and most improved processes are used which represent the most advanced state of the art in plumbing goods manufacture.

You need not hesitate to send your order to us for any article in this book, with full confidence that it will be strictly up to our representation. We absolutely guarantee satisfaction.

The Free Engineering Service of Our Plumbing Experts

our employ a competent force of technically trained men of wide practical experience, whose entire time is given up to the plumbing orders of our customers. There is no problem that we cannot successfully solve for you.

For a complete plumbing system that we receive is given attention, special plans are prepared, and a system worked out by engineers that will be the most sanitary, serviceable and in every respect. The plans are drawn up in a very clear and concise manner, so that anyone can easily understand.

Every Order Will Be Handled

Plumbers Lists

Received, your order is given our undivided attention and is shipped. Through all the different stages, from our Drafting Department, through all the different stages, from our Drafting Department, on regular scheduled time. Our engineers are in their line. In one day in our office there are probably problems successfully solved for our customers than the plumber has to contend with throughout the entire year. You will see what a tremendous fund of experience we have in designing your plumbing system for you.

After the plans are prepared, a complete detailed bill of material is made up to correspond with the plans, and your order is filled according to the list prepared by our experts. It is not hard to appreciate the great economic advantage of this wonderful system.

Literally, we are your plumber. You present your problem to us, filling out our information blank and answering the questions as requested.

Our engineers analyze your case very carefully, specify the required material and tell you in clear and simple language, free from mysterious plumbing or technical phrases, just how the material can be successfully installed without the services of a skilled plumber. The subject is simplified and translated for you to a point where all you will have to do is to follow definite instructions and success is assured.



OUR STRONG GUARANTEE

the inside front cover of this book a facsimile of our guarantee bond, under which all our plumbing material is sold. This guarantee applies to every article in this book, so that you can run no risk whatever in placing your order with us. The material is guaranteed strictly A grade, perfect and of the best of its kind. This guarantee is your protection.

We have a 42 year old reputation for honest dealing, and for the sake of maintaining our reputation, we cannot afford to accept your money unless you are thoroughly pleased. Our enameled ware is guaranteed against cracking, peeling or chipping under ordinary use and every article in this book is guaranteed to be fully up to representation, or you have the privilege of returning it, when we will promptly refund the purchase price and all transportation charges.

PLUMBING SIMPLIFIED

You Can Do the Work Yourself

We show on this page a diagram of one of our complete Plumbing Systems, as installed in the average building. The simplicity of the installation is self-evident. There is not a single connection shown in this diagram which cannot be easily understood by anyone after a very few minutes of study. There is nothing mysterious or difficult about any part of this entire work. It is merely a question of labor, pure and simple.

There is no reason in the world why you cannot completely install one of these modern systems in your building, if our plans and instructions are carefully followed. If you have not the time to look after the installation of the material yourself, you can get in touch with some ordinary mechanic in your locality, who will easily be able to do this work for you.

Many of our customers have followed this plan and found it to work out very nicely. It is usually not hard to find a good mechanic or handy man in any locality, who will be very glad to undertake a job of this kind at a fair working wage. He does not necessarily have to be an experienced plumber. By overseeing the installation yourself, you will have as good, or perhaps a more satisfactory job, than if any expert plumber had installed it for you.

Seventy-five per cent of our customers who purchase our plumbing systems do all the work themselves. Many of them have successfully installed their systems, working only during their spare time. It amounts to nothing more nor less than a little good, substantial exercise, and after the job is done you will feel the better for it.

Location Makes No Difference

Many people labor under the erroneous idea that modern plumbing conveniences are only practical in large cities and towns where connection may be made to city sewerage system, city water works, etc. This impression is entirely wrong. If these people could once realize how easy it is to install one of these systems, with a pneumatic water supply outfit and septic tank for disposal of sewage, located any distance away from the building; and if they were aware of the wonderfully low price at which we are able to furnish all material required to completely install a modern system of this kind, there would, indeed, be very few homes throughout the country that would not at once become fully equipped with a modern sanitary system of plumbing.

It is our aim in these pages to clear up these mysteries which exist in the minds of most people in regard to a plumbing installation. A careful analysis of the diagrams on this page will make it plain to anyone that there is really nothing mysterious about it after all. There is not a pipe or connection in this diagram which does not serve a useful purpose. This is true of every plumbing equipment we sell. All useless frills, turns and connections are cut out; but nothing is omitted which is essential to a good, safe and sanitary system of plumbing.

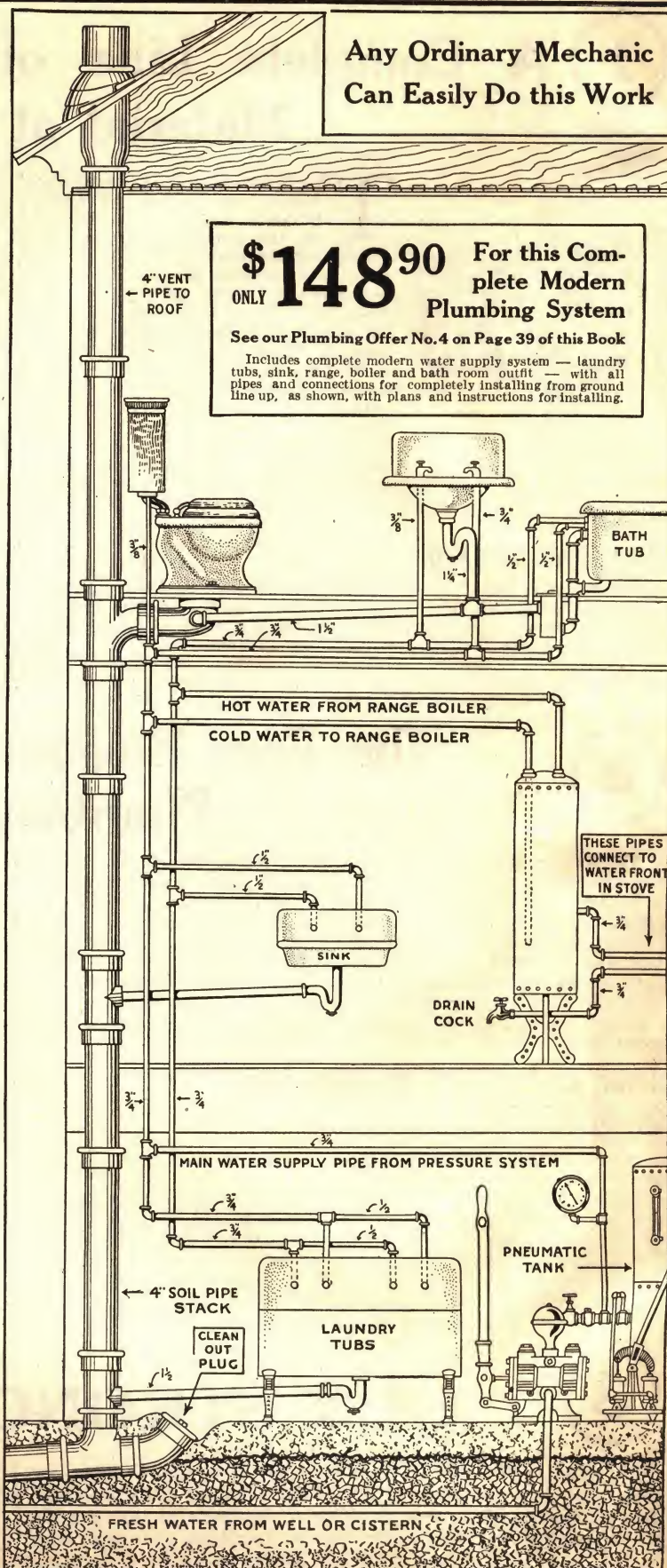
The system as designed by our engineers for your building, will be the simplest, most sanitary and perfect system of plumbing that you could possibly install. It makes no difference whether your building is located in the country, entirely out of reach of all connection with city sewerage systems, city water works, etc., or in the midst of a large city. In either case, our engineers can plan a system for you that will be perfectly sanitary, and give you absolute satisfaction in every respect. You can easily have all the plumbing conveniences of a modern city home for a very small investment.

No Sewer Gas Can Enter the Building

It will be noted, by studying the diagram, that we arrange for a main ventilating stack of 4-inch soil pipe, which rises from the main sewer connection at the ground line, and extends clear up the wall of the building, going out through the roof as shown. One of our adjustable roof flanges is placed around pipe where it goes through roof making a water tight joint.

It will be noted that each fixture has a trap seal in the piping which connects with this ventilating stack. All sewer gases which accumulate in the septic tank or sewer, coming through the sewer pipe, are immediately drawn up through this vertical stack and discharged into the atmosphere above the roof of the building. It is impossible for any of this sewer gas to get by the water sealed traps, which are attached to each fixture, as shown in this diagram.

On Page 4 we give a working diagram of a modern septic tank, which will automatically dispose of all sewage from any ordinary dwelling for many years, without renewal.



PLANS and INSTRUCTIONS FREE WITH EVERY COMPLETE PLUMBING OUTFIT



Every Detail is Clearly Explained

We furnish a complete set of detailed plans and instructions with every complete plumbing system that we sell. These instructions and diagrams show clearly just how all connections are made to each of the different fixtures, and everything is so clearly explained that any one can easily understand.

The brief general instructions given in these pages are simply offered to give a general idea of what this work is like. In the special instructions which our engineers prepare for you, we go fully into detail. A special plan or diagram is prepared covering each particular case, showing exactly how the fixtures should be properly located and all piping arranged.

Threading the Pipes

Threading the pipes is a very simple job. We will include with the tools which we loan you, all the necessary stocks and dies, pipe cutter, etc., for cutting and threading all the different sizes of pipes. We also include a pipe vise for holding the pipe while it is being cut and threaded.

Our instructions explain in detail how to use all the different tools. After these instructions are read over carefully, you will know just how to proceed. It is simply a matter of following our plans and instructions carefully, and measuring off the different lengths of pipe required, making and cutting them off to the required length and threading the ends. As far as the threading of the pipes is concerned, after you get the die once started it is as easy as turning a handle.

You Cannot Possibly Go Wrong

There is no possible chance for you to go wrong in the work, if our plans and instructions are followed. Should any special point come up in the installation that is not entirely clear to you, you always have our Correspondence Department at your service. We are only too glad at all times to give our customers every possible assistance. It is to our interest, as well as yours, that you get your plumbing system successfully installed. We will leave no stone unturned to help you out every way we possibly can.

Most Convincing Proof

The members of the plumbers' associations throughout the country often refuse to install plumbing supplies that have not been purchased from them. Few plumbers there are who are not members of these associations. In spite of this fact, we sell enormous quantities of plumbing goods every year. Who installs this material? Not the plumbers, but our customers themselves, with our simple directions, coaching and assistance. Our plumbing systems have been successfully installed in every instance. Is this not convincing proof that this work can be done without a plumber? Are you going to let the mere matter of installation stop you from saving \$50.00, \$75.00 or \$100.00 on your plumbing job? Think it over!

The Soil Pipe Joints Are Easily Made

Making the soil pipe joints is one of the simplest operations on the entire job. Our regular cast iron soil pipe comes in lengths of 5 ft. It is easily cut by simply taking a sharp cold chisel and hammer, and notching it all around its circumference, at the point where it is desired to cut it. After it is well notched, it can be laid on a stone or sharp corner, and if given several good blows of the hammer around the circumference where it has been notched with a chisel, it will break right off, with a clean and even break.

These lengths of soil pipe are made with a bell or hub on one end, and a spigot on the other end. The spigot end of one length fits into the hub of the length below it. Rope oakum is then carefully packed in around the hub joints to within about three-quarters of an inch of the top of the hub, and packed down tight. On top of this is poured hot molten lead. After the lead becomes set, a regular plumbers' calking tool is used, and the lead is calked down tight all along the circumference of the pipe, making a gas and water-tight joint. And that is all there is to it.

Where it is necessary to pour lead into a horizontal joint, a damp cloth may be rolled into a rope form and tucked in tight around the hub of the pipe. A small opening is left at the top for pouring in the lead. After the lead cools, the cloth is removed and the lead is then carefully calked in tight with a calking tool, as before explained.



WRITE FOR OUR
Special Heating Catalogue
"MODERN HOME HEATING"
SENT FREE ON REQUEST

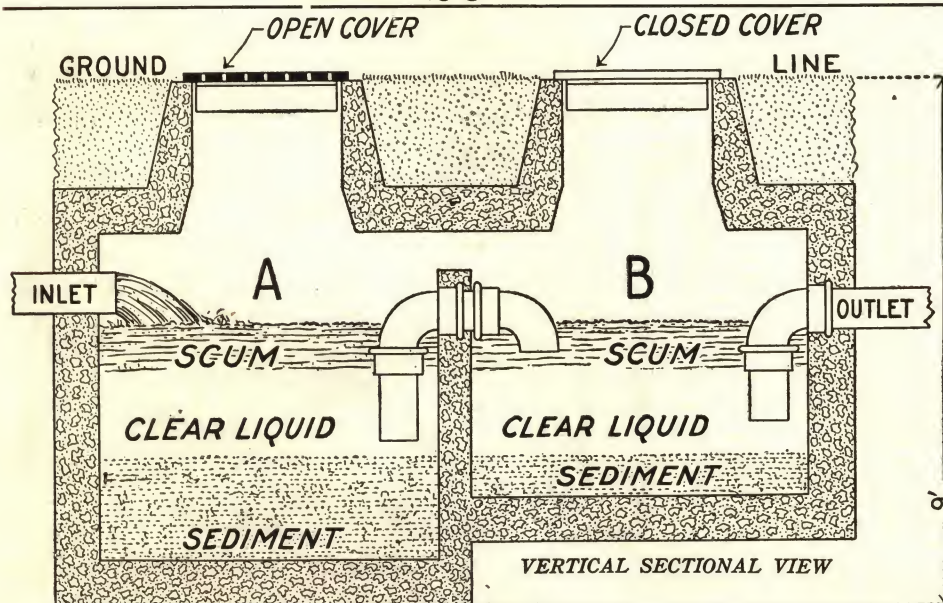
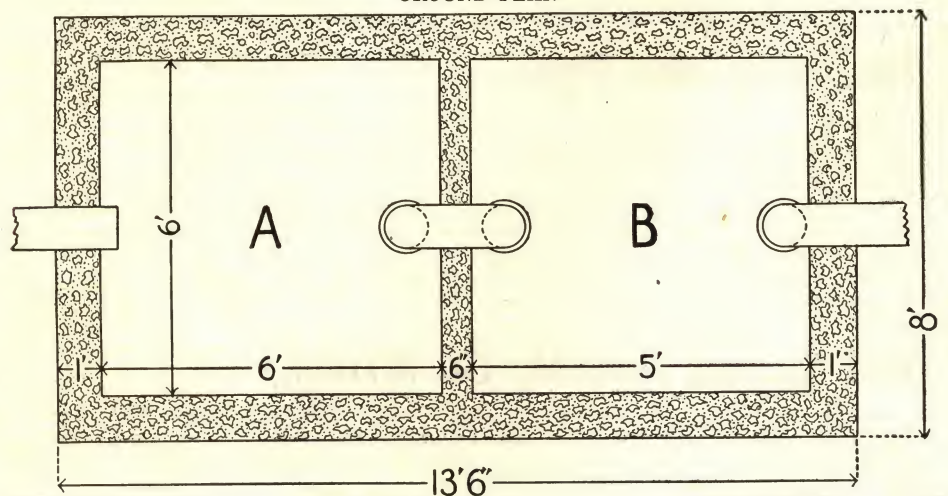
SEWAGE DISPOSAL ON THE FARM

AN EASILY CONSTRUCTED SEPTIC TANK

The Septic Tank illustrated and described on this page will automatically dispose of all sewage from your building for many years without renewal

The modern plumbing and sewage disposal systems of today are the net result of the combined work, knowledge and experience of the great sanitary engineers of all ages. In these modern times, with this great fund of knowledge and experience to draw upon, there is no reason why any modern country home should not be equipped with a satisfactory system of sewage disposal, and a modern system of plumbing. The problem has been thrashed out and successfully solved long ago, and there is hardly an existing condition to be met with in the installation of a sewage disposal system which we are not at this time well able to cope with.

GROUND PLAN



During the last twenty years the matter of sewage disposal from isolated buildings has been the subject of much investigation and study. The result of these investigations has been the complete working out and perfecting of sanitary sewage disposal systems of different designs, any of which offers a complete solution of the problem of sewage disposal from the farm or country home.

It has been found that in any cesspool where an accumulation of sewage is collected, there is a constant natural decomposition taking place, caused by the natural processes of oxidation and nitrification brought about by micro-organisms or bacteria, which multiply rapidly under proper conditions, and by so doing combine the oxygen of the air with the organic matter contained in the sewage. The result is a complete chemical decomposition of this organic matter leaving a very small percentage of sediment, the greater percentage being transformed into clear liquid, and a small percentage passing off as gas. Air is as necessary for this process of decomposition as fuel is to a stove.

The Problem Completely Solved

After this very important discovery the problem of sewage disposal from isolated buildings was completely solved. We show on this page a plan and sectional elevation of a Septic Tank Cesspool of simple construction for decomposing sewage, in which all of the principles set forth in the above are very carefully applied. This tank is constructed of concrete, as shown in diagram, and about the size of dimensions marked. By carefully studying the diagram it will be observed that the tank is divided into two sections marked, "A" and "B." The sewage from the building comes in through the inlet pipe and is discharged into Chamber "A." In this chamber the sewage passes through the first process of decomposition.

Liquid Soaks Away Into Soil

Clear liquid forms in the center, the sediment settles to the bottom, and a floating scum accumulates on the top. It is just beneath this top scum that the decomposition takes place, and by observing the connection between Section "A"

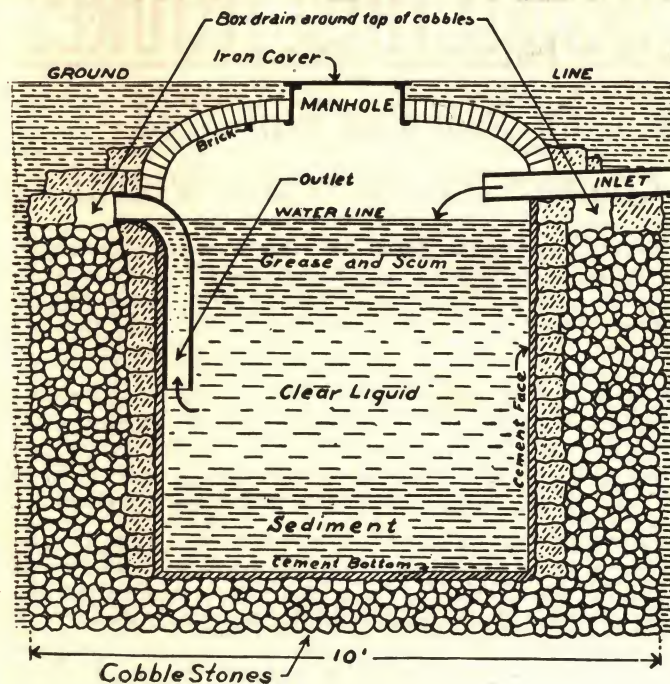
and Section "B," it will be noted that only clear liquid can pass from Section "A" into Section "B." Each time that any amount of sewage comes from the building through the inlet pipe, an equivalent amount of clear liquid is displaced up through the goose neck soil pipe connection, and is discharged into Section "B." In Section "B" it undergoes a further decomposition and purification, and finally passes out through the outlet pipe, as shown.

Air is admitted through the open cover, shown at the left, directly above Section "A." The cover over Section "B" is a closed cover. From the outlet a sewer tile or soil pipe connection is made, and extended to a system of land drain tile. This land drain tile is laid over an area of ground with distributing branches to the extent of about 1,000 lineal feet of tile, all properly divided and branched off, so as to secure a complete distribution of the sewage liquid over as wide an area as possible. Ordinary agricultural drain tile is used, and is laid with open joints. The clear and harmless liquid flowing through this tiling, which should be laid with a gradual pitch to its furthest point, and also imbedded in cinders of other porous filling, gradually disappears, soaking out through the porous tile and open joints, etc., into the soil. In this way it is completely disposed of.

A septic tank sewage disposal system of this kind will last many years, and requires little or no attention. Sediment should be removed about once a year, which can be done through top covers over each section of septic tank, as shown.

LET US BE YOUR PLUMBER

WE HELP YOU TO HELP YOURSELF



A Septic Tank Cesspool

For suburban homes, etc., where a large land area is not available for the distributing tile required for the disposal of the clear liquid from the septic tank, as explained on Page 4, a septic tank cesspool, such as shown in the accompanying illustration, may be substituted for the double chambered septic tank that we have just described.

To construct this cesspool, a hole is dug into the ground about 8 to 10 ft. in diameter, and about 10 ft. deep. If preferred, this cesspool may be constructed in a square shape, and it will work just as well. After the excavation is made, the entire bottom is filled with coarse cobble stones, to a depth of 12 in. On this bottom the inner shell of the cesspool is built of mortar and stones, or brick; or it may be built of solid concrete construction, using crushed stone and Portland cement. The shell is built up, walls being about 8 to 10 in. thick, as shown in diagram. After cement becomes set, the entire inside of basin is carefully smoothed and troweled off with Portland cement, making a water-tight receptacle.

The entire space between the shell and the walls of the excavation in the ground is then filled up loosely with coarse cobble stones, as shown in diagram, clear to the top. The walls of the excavation should come within 2 to 4 feet of the surface of the ground. The shell of the cesspool is then carefully arched over with brick or cement. The arch may be built on a wooden form which may later be removed, the top may be made of cobble stones, capped with a box trench encircling the entire circumference over the top of stones, as shown. A manhole ring and cover of cast iron are placed at the top, level with the ground surface, so that sediment may be removed from cesspool whenever it becomes necessary. The inlet and outlet pipes are placed as shown. The sewage from the house comes in through the inlet pipe, and the process of decomposition takes place as explained on Page

4. The only difference is that this is a single chambered tank, the second section being omitted. Clear liquid rises up through the outlet pipe and is distributed over the top of the cobble stones, where it gradually soaks away into the ground and disappears.

Connecting the Closet Outfit is Simplest of All

Many people have the erroneous idea that no one but a skilled plumber is capable of successfully connecting up and installing a closet outfit. It is indeed a very simple job. There is nothing mysterious or difficult about making any of the connections, and it does not require a skilled plumber to do the work. The connections are so very simple that any ordinary mechanic can easily install one of these outfits in a very short time.

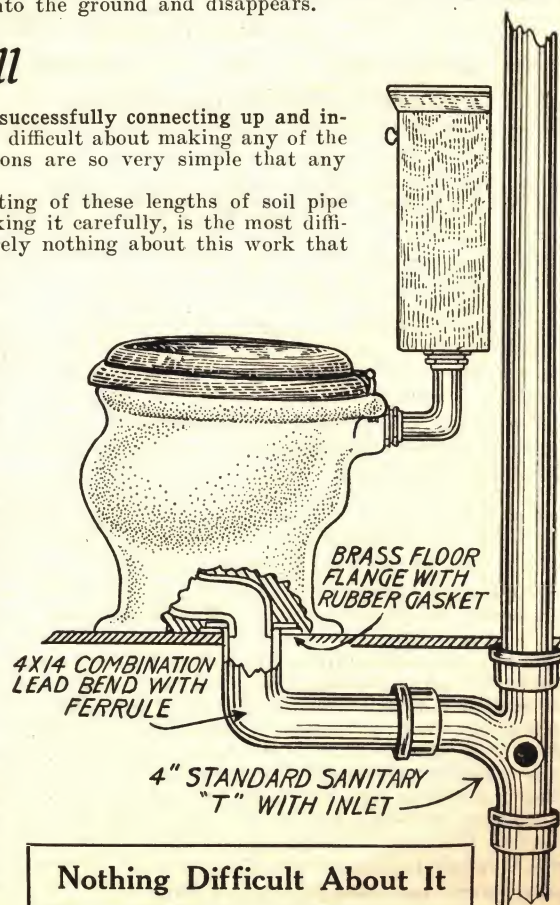
We have explained on Page 3 how the soil pipe joints are made, and the mere setting of these lengths of soil pipe in line, and calking the oakum into the joints, and then pouring in the lead and calking it carefully, is the most difficult work connected with the installation of one of these closet outfits. There is surely nothing about this work that any ordinary mechanic cannot easily master with very little trouble. A tee is placed in the main soil pipe stack. A closet bend is calked into the hub of this tee. The neck of the bend is allowed to project about one inch above the floor line.

After all joints are carefully made, the floor is laid and fitted around the neck of the bend. The mouth of the bend is then carefully flanged over the floor. This soft lead can easily be hammered out with an ordinary hammer, and flanged down flat over the floor surface. A rubber gasket is then put on with a mixture of soft putty and white lead, applied to both surfaces. On top of this the closet bowl is set, and screwed down tight to the floor. This gives a water-tight and gas-tight joint.

The supply tank is then fastened to the wall and connected to the bowl by slip joint connections, which is simply a coupling which screws up tight against a rubber gasket. These slip joint connections are made with an ordinary wrench without the least trouble. There is nothing about any part of this work that any ordinary person cannot easily understand. The supply pipe of the closet outfit is $\frac{3}{8}$ -inch in size, and is threaded for iron pipe connection. After the bowl of the outfit is set and connected, as above explained, it is then simply a matter of making connection between the water supply pipe in the building and the $\frac{3}{8}$ -inch supply pipe of the closet outfit. When this connection is made, the job is finished.

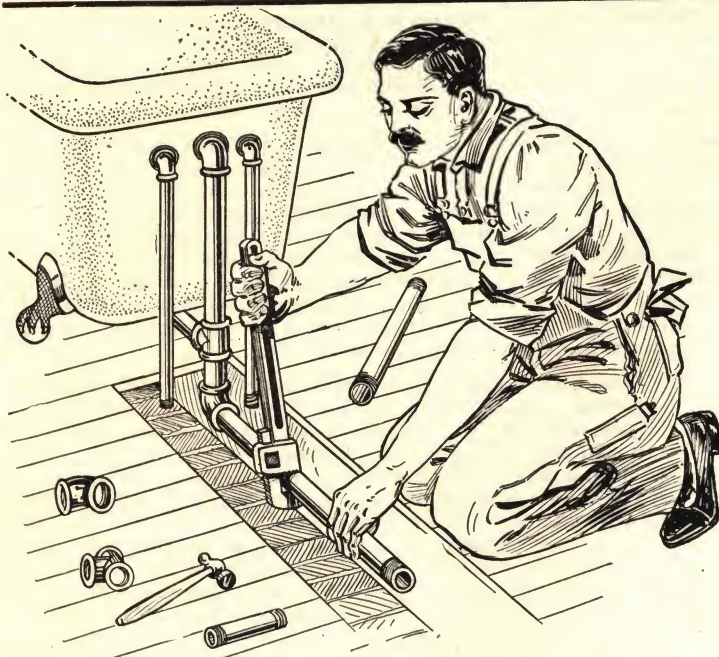
Soil Pipe Need Not Be Concealed

For installation in old buildings it is not necessary to tear out plastered walls, or break open partitions, etc., to install any of our modern plumbing systems. By a little ingenuity it can easily be arranged so that you can carry the soil pipe up in the corner of the bath room. In running the pipe down through the first floor, it can generally be arranged so that this pipe will come up inside of a closet or concealed corner in one of the rooms, so that it will be scarcely noticeable. If desired, it can be carefully boxed in and this casing, or box may be painted, or wall papered over, to match the decorations of the room.



Nothing Difficult About It

ALL CONNECTIONS FOR IRON PIPE YOU WILL NOT HAVE TO DO ANY SOLDERING OR DIFFICULT WIPING of JOINTS to INSTALL THESE FIXTURES



Our special cast iron drainage fittings are used throughout on the waste piping system of all our modern plumbing systems.

The Only Tool You Will Need to Connect the Pipes is a Wrench

Through the use of our special Cast Iron Threaded Drainage Fittings we can use regular iron pipe for making all waste connections from the fixtures, so that all lead work, soldering, wiping of joints, etc., is entirely done away with. No lead pipe required on the entire job.

We can furnish the fixtures with threaded outlets for connection to Standard iron pipe thread. After you have the fixtures set in position, it is simply a matter of measuring the pipe to the exact lengths required, putting it in the vise and cutting it off, threading it, and then fitting it into place with an ordinary pipe wrench.

The accompanying illustration shows clearly how this is done, and you will readily understand what a simple job it is. If the building is a new one, this piping, etc., should all be placed between the joists and set, before the floor is laid. If the building is an old one, it will be necessary to cut the floor out in places, as shown in this illustration; but this can easily be patched up again, so that it will scarcely be noticed.

Our plumbing systems can be successfully installed in either new or old buildings without any trouble whatever. We use galvanized piping on all our plumbing systems. This pipe is heavily galvanized, both inside and out, and when once installed it is good for a lifetime. Lead pipe is a thing of the past for plumbing installation.

The Water Supply System

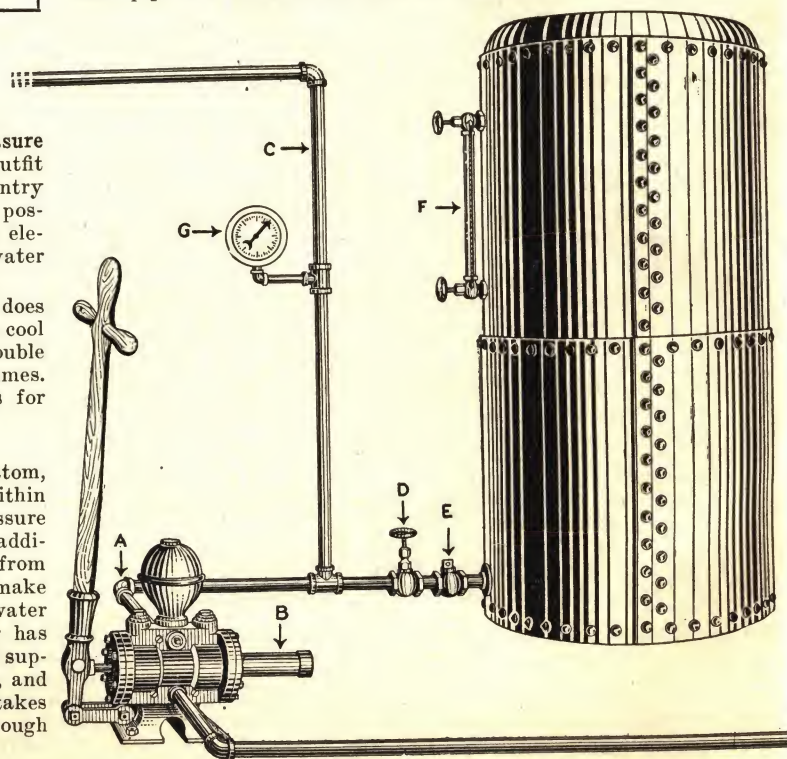
We illustrate here one of our modern "LAKESIDE" Air Pressure Water Supply Systems, for the farm or country home. In this outfit we have the solution of the water supply problem for the country home. Simple and easily understood. Nothing about it that can possibly get out of order. All the trouble and annoyances of the elevated tank, such as freezing in the Winter time, and the water becoming warm and stagnant in Summer, etc., are eliminated.

This tank can be placed in the basement of your residence. It does not take up much space, and the water will always be nice and cool in Summer, and without any possibility of freezing or giving trouble in Winter. You will have an unfailing supply of water at all times. A few minutes' pumping each day will supply all requirements for the ordinary household.

There is very little to be explained about this outfit.

The water is taken from well and pumped into tank at bottom, as shown. As the water enters, the air originally contained within the tank is compressed and a pressure is developed. This pressure gradually increases as more water is pumped into the tank. In addition to this an extra supply of air is pumped in with the water from the small air cylinder, marked "B" in the diagram. This is to make up for the small percentage of air which is absorbed by the water when it is drawn off from the tank. The size of this cylinder has been carefully determined from experience. Just enough air is supplied to keep the pressure in the tank always at the right point, and to entirely make up for the loss of air by absorption which takes place in the tank. The water is drawn off from the tank through pipe C, which is connected to the house plumbing fixtures.

For prices and other details, see Page 34.



SUCTION PIPE FROM WELL

WE LOAN YOU THE TOOLS

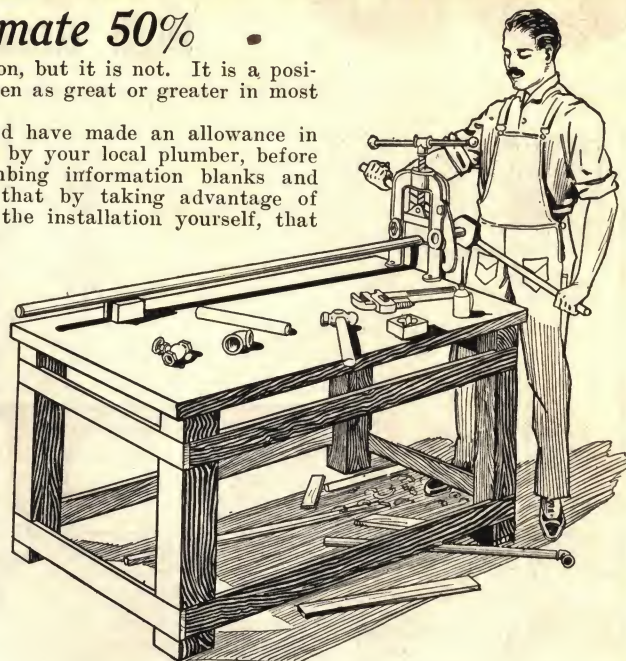
We May Beat Your Local Plumber's Estimate 50%

The above statement is a broad one. It may seem to you like an exaggeration, but it is not. It is a positive fact. The saving may not be as great as this, in all cases, but it has been as great or greater in most cases.

If you are contemplating improving your home, or building a new one, and have made an allowance in your figuring for the plumbing installation according to the estimate furnished by your local plumber, before going further prepare a diagram of the building, or fill out one of our plumbing information blanks and send it to us for our estimate. You will find when you compare our figures, that by taking advantage of our proposal, purchasing the material at our very low prices, and looking after the installation yourself, that you will have sufficient funds left over to pay for many additional improvements which before may have seemed entirely beyond your means.

It is not our purpose to mislead you. We have made no statements in these pages which cannot be backed up as facts by past experience. We have no desire to either exaggerate the saving that you can make by taking advantage of our prices, or to under estimate the labor involved in getting the material installed after it reaches you. We would much prefer that you get your local plumber's estimate first. We want our proposition to stand squarely on its merits. We want you to see just exactly what a saving our prices mean to you before you send us your order.

As to the installation, the material will not fly into place. It requires good, muscular strength to put it there. But with the inherent interest, energy and enthusiasm displayed by most people in building a home of their own, this is something that is lost sight of. Skill or previous experience are not essential to install our plumbing systems. So far as your being able to do the work is concerned, that we will guarantee, if you follow our plans and instructions. Intelligence is all that is required. We would rather lose your order if we were not fully confident that when the job is done we will have saved you money, and you will be fully satisfied.



To Get Our Figure

Our special plumbing information blank explains fully just what information we need in order to make an intelligent estimate on a plumbing equipment for your building. If you do not find one of these blanks enclosed in this Catalogue, write us, and we will be pleased to send you any number you want.

Fill out one of these blanks carefully; let us know what bath room fixtures you prefer to have us figure on—whether you want kitchen sink, range boiler, hot and cold water supply piping system, laundry tubs, etc.—and give us the Catalogue numbers of the fixtures you select.

With this information, and with the diagram of your building which you give us, as called for on our blank, our engineers will prepare a complete estimate for you on the entire plumbing system, including just such fixtures as you have selected, with all necessary piping and fittings required for the installation. Our proposal, with full specifications describing the system we propose to furnish, will be sent to you by return mail. We make no charge for estimates. Whether you buy or not, we will cheerfully furnish figures. Do not hesitate to write us.

Our Complete Plumbing Offers

On Pages 40, 41, 42, and 43 of this book you will find our complete house plumbing propositions. Read these over carefully. These proposals have been carefully figured out to cover average conditions. If you find that your case is similar to any of these, you need not hesitate or wait for a special estimate.

Take advantage of any of these special low offers. Send us your order right from the Catalogue, giving us the Catalogue number of the proposal you accept. Send us remittance with diagram of your building, as requested. We will promptly ship the material out to you, and will have special plans prepared and sent to you by return mail. This will save considerable time and delay. You take no chances, as we will guarantee satisfaction.

In the event we find that your case is different from any of these Standard installations, our engineers will prepare a special estimate for you, and our full specifications with special estimate will be promptly mailed to you.

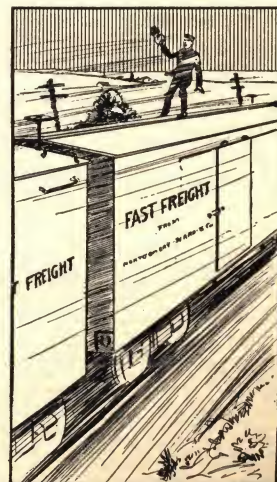
Our Liberal Offer on Tools

If you have not the necessary tools for installing your plumbing system, we will cheerfully loan them to you. The cost of the tools required to install any of these plumbing systems if you were to purchase them is \$15.00. You will find the complete set fully described and illustrated on Page 48 of this book. After you are through using the tools, they can be returned to us as explained, and we will refund the amount charged for them, less 10% which will be charged to cover our cost of handling.

Our Shipping and Order Filling Facilities Insure Prompt Delivery

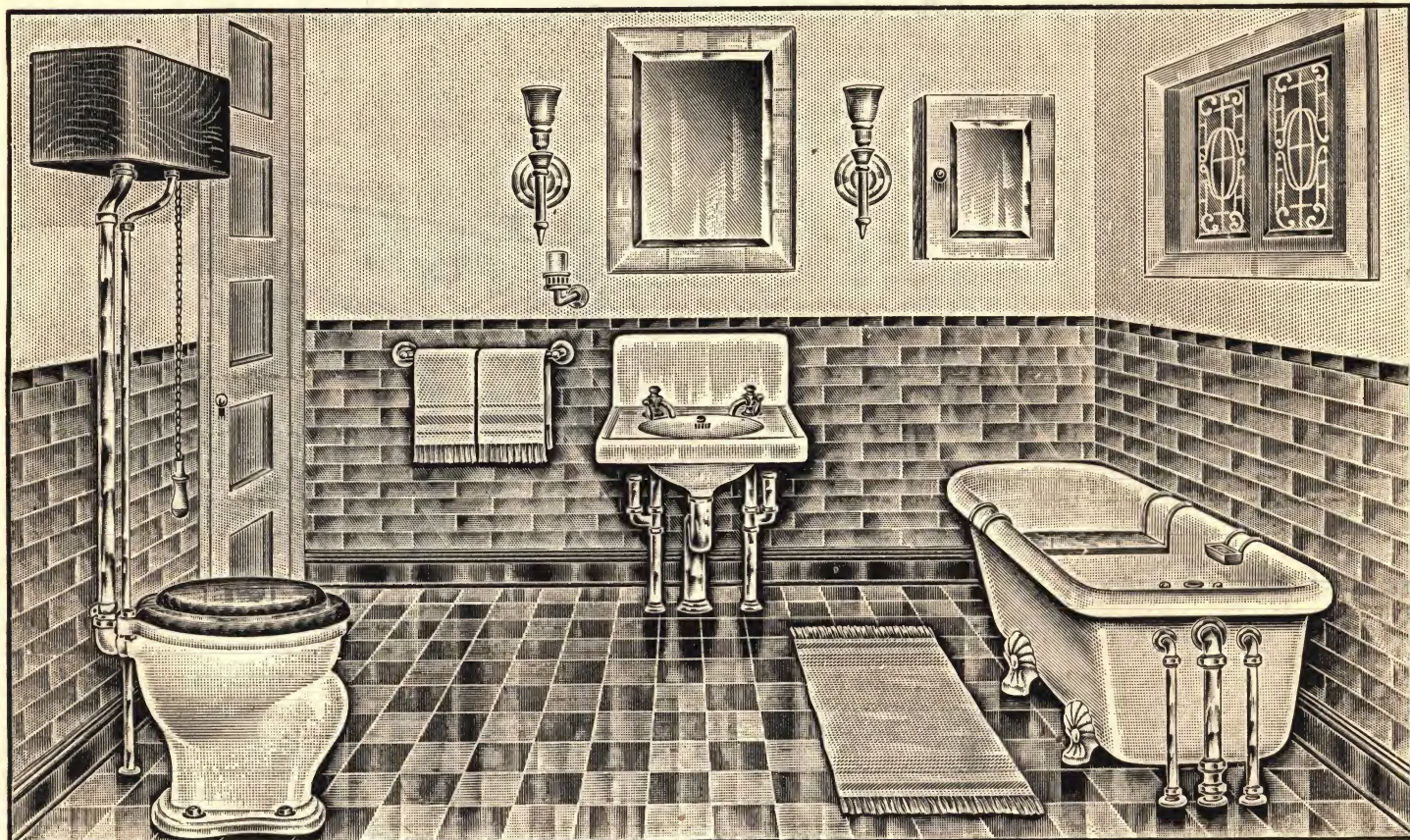
Our stores and stock rooms are equipped with the latest devices and systems for the handling of goods and filling of orders. We have spared no expense to insure our customers accuracy and despatch in the shipment of their goods. We get the best service and transportation equipment the railroads can give anyone.

Your goods are on the way in a surprisingly short time after your order reaches us, and while your order is being filled and the shipment is on the way, our engineers are preparing the plans and instructions covering the installation of the equipment and these will be promptly mailed so that they will reach you about the same time as the material. Our broad guarantee of absolute satisfaction protects you. You need not hesitate to send us your order.



\$39.25 "Leader" Bath Room Outfit

with High Tank Closet, Syphon Wash Down Pattern. A High Grade Guaranteed Outfit at a Very Low Price



THE BATH TUB

The Bath Tub furnished with this outfit is of the very highest grade. Genuine white porcelain enameled on the inside and over the roll rim. The tub is cast from the very best grade of soft gray iron, and each casting is very carefully and thoroughly inspected during the process of manufacture for imperfections in either the casting or the enamel. Every one of these tubs is fully guaranteed to be absolutely perfect in every respect before it leaves our factory. The tub measures 5 feet long, and 30 inches wide, extreme outside measurements. There is a heavy 3-inch roll rim around the entire tub. The tub weighs approximately 350 lbs. crated for shipment. The trimmings include nickel plated combination Fuller bath cock, with nickel plated hot and cold indexed handles; nickel plated connected waste and overflow, with slip joint connections, and nickel plated supply pipes to floor. All pipes are fitted with special nickel plated floor flanges, as shown. The white porcelain enamel on this tub is applied through a special perfected process, which eliminates the possibility of any loose patches, rough spots or peeling. The tub is fully guaranteed against peeling or cracking in the enamel. Tub is mounted on ornamental cast iron legs. Size of waste outlet, 1 1/2 in. Size of supply pipes, 1/2 in.

THE CLOSET

The Closet furnished with this combination is without any question one of the most serviceable and durable outfits on the market. The elevated tank gives much greater velocity to the flowing water, and makes it absolutely positive in flushing. Tank is of large capacity, golden oak finish, with rounded corners, and is lined with heavy copper. It is equipped with the latest type of ball cock and flushing valve, of the goose-neck syphon pattern, which never fails to work; entire mechanism of tank is of the very simplest and most perfect construction ever devised. Will not get out of order or give trouble. Tank has a capacity of 5 1/2 gallons. Heavily nickel plated flush pipe connects tank to bowl with slip joint nickel plated elbow. Tank can be furnished with either top or bottom supply. In ordering, state which is wanted. If furnished for bottom supply connection, we include nickel plated supply pipe to floor, as shown. Ball cock is of the compound lever type and is guaranteed to close against any pressure. Seat and cover are of golden oak to match tank, very substantially made with nickel plated extension hinges, as shown. The bowl is of the very latest type, syphon wash-down pattern. It is made of the best quality of vitreous earthenware, with white glazed finish. The bowl is fully tested and inspected before shipment, and guaranteed perfect before leaving the factory. Outfit is equipped with nickel plated floor screws and washers, for fastening bowl to floor, and nickel plated chain and handle pull. The outfit is finely finished, artistically designed and an ornament to any bath room. Entire outfit is fully guaranteed to work perfectly and give entire satisfaction in every respect. The roughing-in measurement of bowl is 12 inches from center of outlet to wall. Weight, complete outfit crated for shipment, 100 lbs.

QUALITY GUARANTEED

Our "Leader" Bath Room Outfit, above illustrated, is designed for durability and service. It has a very neat appearance and will fully do justice to any modern home. This outfit will stand much harder usage, and is much less liable to get out of order, than many of the more stylish and much higher priced outfits on the market. If you want a good, substantial bath room outfit, one that will stand the hardest service, one with greatest durability and at the same time moderate in price, we strongly recommend this outfit to you with the absolute assurance that you will be more than satisfied. The fixtures are all guaranteed to be of the very highest quality, free from flaws, imperfections, or defects of any kind, guaranteed to be the regular standard full weight fixtures. If you will carefully read the detailed specifications of this outfit as given below and make comparison with those offered by others, you will readily see that our offer means a saving to you of anywhere from 30% to 50%. Why be without a modern bath room outfit in your home when you can get such a high grade combination as this at such an exceptionally low price? So far as the installation is concerned, you are not dependent upon your plumber. Through the use of our special cast iron threaded drainage fittings, as described on Page 47 of this book, you can use threaded iron pipe for all waste connections, and we can furnish all connections to the fixtures for iron pipe thread so that any man who can cut and thread iron pipe and screw it together, by following our very simple plans and instructions can install this outfit for you. Or you can do the work yourself during your spare time, and the saving will be greater. Fill out one of our special Plumbing Information Blanks and send it to us; give us a sketch of your building, marking where your bath room will be located, and indicate how you would like to place the different fixtures. Our estimators will prepare a complete proposal for the entire equipment, including all pipe and fittings required to install the entire outfit. You will be really surprised at the very low figure we can make you. Remember, if you have not the necessary tools, we will cheerfully loan them to you, as per our offering on Page 48 of this book. Write today for our estimate.

THE LAVATORY

The Lavatory is cast in one solid piece. It is of the broad, square type, with roll rim and rounded corners, as shown. The slab measures 24 inches across, and extends 18 inches out from the wall. The back is 10 inches high, with roll rim and corners, as shown. Size of bowl, inside measurement, 11x15 inches. Lavatory is furnished with patent overflow and recess soap dish. It is supported by heavy concealed cast iron wall brackets, and is fitted with heavily nickel plated Fuller basin cocks; nickel plated supply pipes to floor, with air chambers; and nickel plated long "S" trap to floor. Nickel plated floor flanges are furnished to cover places where pipes go through floor. Lavatory is genuine white porcelain enameled, applied by a special perfected process, and is fully guaranteed against chipping or cracking. The broad, roomy slab adds materially to the convenience of the lavatory in use. In appearance it is a beautiful and well designed fixture in every respect. Size of waste outlet, 1 1/2 in., size of supply pipes, 1/2 in. Weight, crated for shipment, 110 lbs.

3CP56301 "Leader" Bath Room Outfit, as described. Weight, complete bath room outfit, crated for shipment, about 560 lbs. **\$39.25**

Our price for Tub, Closet and Lavatory..... See below.

Bath room trimmings, such as mirror, towel bar, etc., not included. See below.

NOTE—We can furnish above outfit, with all supply and waste connections for iron pipe thread at \$1.50 extra.

If 4 1/2-ft. tub is wanted, price will be same.
If 5 1/2-ft. tub is wanted, add **\$2.00**
If 6-ft. tub is wanted, add **3.50**

ACCESSORIES

3C56404 French Plate Beveled Mirror, with white enameled frame (for illustration of mirror see Page 17 of this book). Size, 14x24 in. Weight, 45 lbs. Each **\$2.20**
3CP56380 Glass Towel Bar, heavy pattern, with solid brass nickel plated end post. Diameter of glass bar, 1 in. Length, 18 in. Wt, 3 lbs. Each. **1.17**
3C56405 Bath Tub Seat. Nickel plated hangers, with rubber guards. Solid oak polished finish. Weight, 4 lbs. Each **50c**
3C56344 Nickel Plated Soap Dish. Weight, 9 oz. Each **40c**
3C56318 Nickel Plated Tumbler Holder. Weight, 3 oz. Each **23c**
3C56390 Nickel Plated Toilet Paper Holder. Weight, 12 oz. Each **57c**
3C56313 Special price for above full set of bath room trimmings, as described **\$5.00**

\$43¹⁰ "Colonial" BATH ROOM Outfit

THIS IS A VERY POPULAR COMBINATION
A HIGH GRADE OUTFIT IN EVERY RESPECT



THE BATH TUB

The Bath Tub furnished with this outfit is the very finest quality, genuine white porcelain enameled on the inside, and over the roll rim. The tub is cast from the very best grade of soft gray iron, and each fixture is very carefully and thoroughly inspected during the process of manufacture for imperfections in either the casting or the enamel. Every one of these tubs is fully guaranteed to be absolutely perfect in every respect before it leaves our factory. The tub measures 5 feet long, and 30 inches wide extreme outside measurement. Has a heavy 3-inch roll rim around the entire tub. The tub weighs approximately 350 pounds, crated for shipment. The trimmings include nickel plated combination Fuller bath cock, with nickel plated hot and cold indexed handles; nickel plated connected waste and overflow, with slip joint connections, and nickel plated supply pipes to floor. All pipes are fitted with special nickel plated floor flanges as shown in illustration.

The porcelain enamel on this tub is applied by the very latest improved process, which insures a hard and fast contact between the enamel and the iron, and absolutely eliminates any loose patches, rust spots or peeling. The enamel on this tub is guaranteed against peeling or cracking under ordinary use.

Tub is mounted on ornamental cast iron legs, and it is a beautiful ornament in any bath room. Outside of tub is painted with one coat of iron filler paint. Weight of tub, crated for shipment, approximately 350 lbs.

THE CLOSET

The Closet Combination furnished with this outfit is of the very latest design, low tank, syphon wash-down type. The tank is of very large capacity, insuring a positive flushing of the bowl. It is finished in golden oak, with rounded corners. Tank is lined with heavy sheet copper. All trimmings, couplings and brass parts of the outfit are heavily nickel plated, giving the closet a very handsome appearance.

The seat and cover are of built-up construction, strong and substantially made, finished in golden oak, to match tank. Seat is attached to bowl with latest type of nickel plated extension post hinges, as shown in illustration.

The closet bowl is the very latest type of syphon wash-down bowl. Very neat and artistic in design. Molded in one solid piece, from the best quality of vitreous earthenware, with heavy white glazed finish inside and out. The bowl has a deep water seal trap, which makes it impossible for sewer gases to enter the building. The tank is connected to the bowl with a two inch nickel plated flush elbow, with slip joint coupling connections. Outfit is also furnished with nickel plated supply pipe to floor, with nickel plated floor flange and nickel plated floor screws and washers for attaching bowl to floor. The great advantage of a low tank closet outfit of this kind lies in the fact that it is practically noiseless in operation.

Tank is fitted with the very latest type of adjustable compound ball cock, and rubber ball float flushing valve, with push button action. The ball cock is guaranteed to close tight against any pressure, when once adjusted it will require no further attention for many years.

This is a high grade closet combination in every sense of the word. Weight of closet outfit complete, crated for shipment, 100 lbs.

AN UNUSUALLY HIGH GRADE OUTFIT

Our "Colonial" Bath Room Combination has been designed to meet the demand for an unusually high grade outfit. A very strong, durable and substantial construction. At the same time it is one of the most elegant bath room outfits on the market. It is stylish and beautiful in design, and very moderate in price. This is our great bargain bath room combination, and is one of the most popular outfits we sell. Every fixture is fully guaranteed to be of the best quality, free from defects or blemishes of any kind. Why be without a modern bath room outfit in your home when you can get such a high grade combination as this at such an exceptionally low price? So far as the installation is concerned, you are not dependent upon your plumber. Through the use of our special cast iron threaded drainage fittings, as described on Page 47 of this book, you can use threaded iron pipe for all waste connections, and we can furnish all connections to the fixtures for iron pipe thread so that any man who can cut and thread iron pipe and screw it together, will be able to do this work for you by following our very simple plans and instructions; or you can do it yourself during your spare time, and the saving will be greater. Fill out one of our special plumbing information blanks and send it to us; give us a sketch of your building, marking where your bath room will be located, and indicate how you would like the different fixtures to be placed. Our estimators will prepare a complete free estimate for the entire equipment, including all pipe and fittings required to install the entire outfit. You will be really surprised at the very low figure we can make you. Remember, if you have not the necessary tools, we will cheerfully loan them to you, as per our offer on Page 48 of this book. Write today for our estimate.

THE LAVATORY

The Lavatory is large and massive in appearance, with high back and deep apron, all cast in one solid piece. It is a beautiful fixture of deep, snow white color, one of the most gracefully designed straight wall lavatories ever manufactured. Lavatory is heavily coated with genuine white porcelain enamel, applied by a special perfected process in the manufacture, and fully guaranteed against chipping or cracking in ordinary use. The slab is 24 in. long, and extends 18 in. out from the wall, with roll edge and rounded corners, as shown in illustration. The back is 10 in. high. Bowl measures 11x14 in., inside measurement, and is fitted with special patent overflow, with chain and rubber stopper. The lavatory is supported by heavy cast iron concealed wall brackets, and is fitted complete with heavily nickel plated Fuller basin cocks, nickel plated "S" trap and straight supply pipes to floor, and nickel plated floor flanges. Weight of lavatory, crated for shipment, 120 lbs.

3CP56305 "Colonial" Bath Room Outfit, as described.

\$43.10

Weight complete, crated for shipment, 570 lbs.

Price, only See below.

NOTE.—We can furnish above outfit with all supply and waste connections for iron pipe thread at \$1.50 extra. Waste connection of bath tub takes 1½ in. iron pipe thread. Waste connection of lavatory takes 1½ in. iron thread. Supply pipes to closet and lavatory take ½ in. iron pipe thread. Supply pipes to bath tub take ½ in. thread.

If 4½-ft. tub is wanted, deduct..... \$0.50
If 5½-ft. tub is wanted, add..... 2.00
If 6-ft. tub is wanted, add..... 3.50

ACCESSORIES

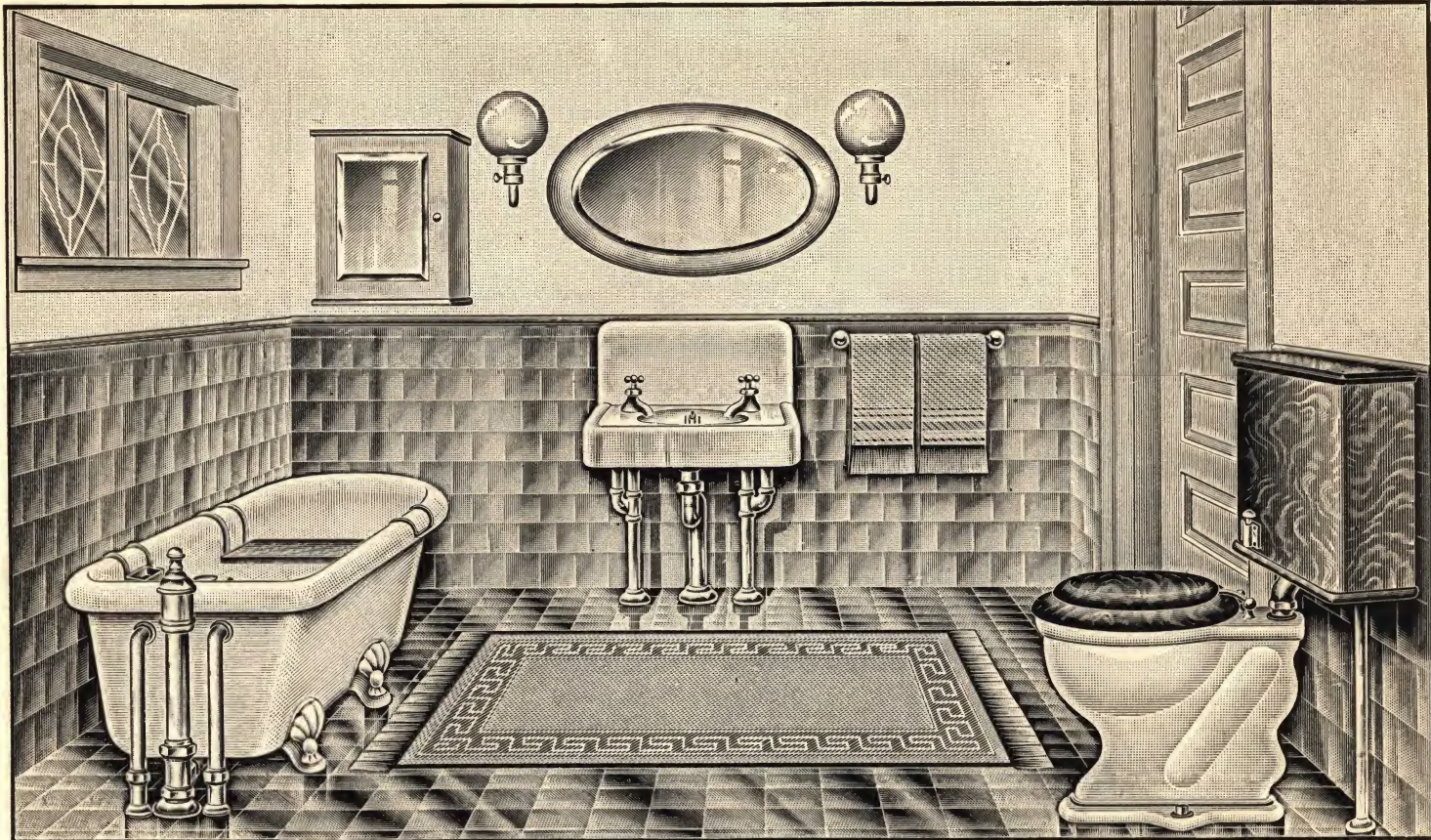
Price quoted on bath room outfit does not include towel bar, mirror, tumbler holder, bath tub seat, soap dish, or nickel plated toilet paper holder. These will cost extra as follows:

3C56402	Beveled French Plate Bath Room Mirror. With white enameled frame (for illustration of mirror see Page 17 of this book). Size, 14x24 in. Weight, 45 lbs. Each.....	\$2.70
3C56376	Glass Towel Bar. Weight, 3 lbs. Each.....	1.17
3C56405	Bath Tub Seat. Nickel plated hangers, with rubber guards. Solid oak polished finish. Weight, 4 lbs. Each.....	50c
3C56344	Nickel Plated Soap Dish. Weight, 9 oz. Each.....	40c
3C56318	Nickel Plated Tumbler Holder. Weight, 3 oz. Each.....	23c
3C56390	Nickel Plated Toilet Paper Holder. Weight, 12 oz. Each.....	57c
	Special price for above full set of bath room trimmings, as described.....	\$5.40

WE HAVE A FULL LINE OF BATH ROOM TILE—BEAUTIFUL DESIGNS, LOWEST PRICES—SEE PAGE 63

\$49⁹⁵ "Peerless" Bath Room Outfit

with Roman Waste and Syphon Jet Closet. For Style, Quality and Durability This Outfit Cannot Be Surpassed



THE BATH TUB

The bath tub furnished with this outfit is of the very latest design, cast from the best, soft gray iron, and is genuine white porcelain enameled inside and over the roll rim. The tub is very carefully inspected during the process of manufacture for defects in either the enamel or the casting, and is guaranteed perfect before leaving the factory. The white porcelain enamel is applied by special process, which absolutely eliminates all possibility of loose patches, wavy appearance, or any imperfections whatever in the enamel. Through this process the tub is given a smooth, even coat of enamel over the entire inside surface, so that it presents the appearance of solid white china. The tub is absolutely guaranteed not to chip or peel while in use. Tub is mounted on ornamental cast iron legs, and is very graceful in appearance. A special feature of this tub is the **Standing Roman waste**, shown in the illustration at the back of the tub. This does away entirely with the necessity of a rubber stopper in the tub, which is often so troublesome and hard to keep in place. This Roman waste fitting is equipped with a China waste index, and is of heavy construction throughout—solid brass with nickel plated finish. Tub is also fitted with No. 4½ Fuller double bath cock and nickel plated supply pipes to floor, with nickel plated floor flanges for both waste and supply pipes. Weight of tub, crated for shipment, 350 lbs. Size of waste outlet on tub is 1½ in., size of supply pipes ½ in.

THE CLOSET

The closet outfit is of the latest and most improved low tank, syphon jet pattern. The tank is of large capacity, golden oak finish, with rounded corners; lined with heavy copper and fitted with the very latest and most improved ball float flushing mechanism, with push button action. Ball cock is furnished with corrugated copper float, and is of the compound lever type, guaranteed to close against any pressure. Outfit is furnished with nickel plated supply pipe to floor, with nickel plated floor flange, and nickel plated floor screws and washers. Seat is strong and substantially built, fitted with cover all of golden oak finish, to match tank. Seat is fitted with nickel plated post extension hinges, and is of the very latest and most modern design. Tank is connected to bowl with 2-inch nickel plated offset elbow, with slip joint connection. Push button on tank is nickel plated, and entire outfit presents an elegant appearance in any bath room.

The bowl is made of the highest grade vitreous earthenware, the very latest and most modern design syphon jet pattern, guaranteed absolutely positive in its flushing action. Of heavy massive construction, white glazed inside and outside. We could not give you a more modern or up-to-date closet outfit at any price. We call particular attention to the highly artistic design, and graceful general appearance of this outfit. This closet outfit is absolutely guaranteed to give you satisfaction in every respect. Roughing in measurements of bowl, 14 inches from center of outlet to wall. Weight, crated for shipment, 120 lbs.

A STRICTLY MODERN COMBINATION

Our "Peerless" Bath Room Outfit, illustrated on this page, has been designed to meet the demand for an unusually high grade outfit. We have embodied in this combination some of the very latest and most advanced ideas of the plumbing art. It is an outfit that you can well be proud of—beautiful and stylish in appearance. The fixtures are of the very highest grade on the market. So far as the quality of this outfit is concerned, we could not offer you fixtures of a better quality at any price. The **standing Roman waste** feature on the bath tub is something that should not be overlooked. We call attention to the highly artistic appearance and neatness of design, as brought out in the different fixtures of this outfit. Each fixture is carefully tested and inspected before shipment, and fully guaranteed. Why be without a modern bath room outfit in your home when you can get such a high grade combination as this at such an exceptionally low price? So far as the installation is concerned, you are not dependent upon your plumber. Through the use of our special cast iron threaded drainage fittings, as described on Page 47 of this book, you can use threaded iron pipe for all waste connections, and we can furnish all connections to the fixtures for iron pipe thread, so that any man who can cut and thread iron pipe and screw it together, will be able to do this work for you by following our very simple plans and instructions; or you can do it yourself during your spare time and the saving will be greater. Fill out one of our special plumbing information blanks and send it to us; give us a sketch of your building, marking where your bath room will be located, and indicate how you would like to place the different fixtures. Our estimators will prepare a complete estimate for the entire equipment, including all pipe and fittings required to install the entire outfit. You will be really surprised at the very low figure we can make you. Remember, if you have not the necessary tools, we will cheerfully loan them to you, as per our offering on Page 48 of this book. Write today for our estimate.

THE LAVATORY

The lavatory is large and massive in appearance, with high back and deep apron, all cast in one solid piece. Fixture is cast from the best grade of soft gray iron after which it is carefully filed smooth and finished and then it is heavily coated with genuine white porcelain enamel, applied by a special perfected process. It is fully guaranteed against chipping or cracking in ordinary use. The slab is 24 in. long, and extends 18 in. out from the wall, with roll edge and rounded corners, as shown in illustration. The back is 10 inches high. Bowl measures 11x14 inches, inside measurement, and is fitted with special patent overflow, with chain and rubber stopper. The lavatory is supported by heavy cast iron concealed wall brackets, and is fitted complete with heavily nickel plated compression basin cocks, nickel plated "S" trap, and nickel plated supply pipes to floor with air chambers, and nickel plated floor flanges. Weight of lavatory, crated for shipment, 120 lbs. Size of waste outlet 1½ in. Size of supply pipes ½ in.

3CP56307 "Peerless" Bath Room Outfit, as described, complete, crated for shipment, 590 lbs. Price..... **\$49.95**
NOTE—We can furnish above outfit, with all supply and waste connections for iron pipe thread at \$1.50 extra.
If 4½ ft. tub is wanted, deduct..... **\$0.50**
If 5½-ft. tub is wanted, add..... **1.50**
If 6-ft. tub is wanted, add..... **3.00**
Above price does not include bath room trimmings, such as Mirror, Towel Bar, Bath Seat, etc. See below.

ACCESSORIES

3C56402 Beveled French plate bath room mirror. With white enameled frame. Size, 14x24 in., Weight, 45 lbs. Each..... **\$2.55**
3C56376 Glass Towel Bar. With solid brass nickel plated end posts. Diameter of glass bar, 1 in. Length, 18 in. Weight, 3 lbs. Each..... **\$1.25**
3C56405 Bath Tub Seat. Nickel plated hangers, rubber guards. Solid oak, polished finish. Weight, 4 lbs. Each..... **50c**
3C56344 Nickel Plated Soap Dish. Weight, 9 oz. Each..... **40c**
3C56318 Nickel Plated Tumbler Holder. Weight, 3 oz. Each..... **23c**
3C56390 Nickel Plated Toilet Paper Holder. Weight, 12 oz. Each..... **57c**
Special price for above full set of bath room trimmings, as described..... **\$5.35**

\$68⁹⁰"Monarch" Bath Room Outfit

Syphon Jet Closet, with White Enameled Iron Tank,
Roman Waste and Pedestal Lavatory



THE BATH TUB

The Bath Tub is an elegant, white porcelain enameled tub. Cast from the best grade of soft gray iron. Heavily coated with the best quality genuine white porcelain enamel on the inside, and over the roll rim. The enamel is applied by the latest and most perfected process, insuring a hard and fast contact between the enamel and the iron surface, and giving the tub a fine, smooth, finish of a deep ivory white color. Enamel is absolutely guaranteed against chipping or cracking in ordinary use.

The Tub is of the very latest design, beautiful in appearance, and is equipped with latest and most improved type of Roman lifting waste fitting, as shown in illustration, with white China Index. This fitting does away entirely with rubber stopper, which is often so troublesome and hard to keep in place.

Tub is also fitted with combination Fuller double bath cock, nickel plated, and nickel plated supply pipes to floor, with floor flanges. All trimmings are of heavy brass construction, and heavily nickel plated. Tub is regularly finished on outside with one coat of iron filler paint, but can be furnished with zinc white baked enamel finish on entire outside, trimmed with gold bands, at extra charge, as noted below. Tub is 5 ft. long, and 30 in. wide, over rim. Width of rim, 3 in. Shipping weight, about 300 lbs.

THE CLOSET

The Closet Outfit, furnished with this combination, is a genuine syphon jet, low tank closet combination, with ivory white enameled iron tank. One of the most modern closet combinations ever placed on the market. Tank is of heavy construction, cast iron, genuine white porcelain enameled inside and outside, with ornamental lid, as shown in illustration. The tank is practically indestructible. Cast in one solid piece, without seams or joints of any kind, no chance for leaks to develop. Always clean and sanitary, easy to clean and keep clean. Enamel is applied by special process, giving a smooth and even finish of deep ivory white color.

Tank is equipped with latest improved type of flushing mechanism, with compound lever ball cock and adjustable corrugated copper ball float, and rubber float flushing valve, operated by China lever in upper corner of tank, as shown in illustration. Tank is absolutely impervious to attack from water of alkaline or mineral composition. In all localities where water is of such a nature that it eats away the copper lining of the ordinary copper lined tank, a tank of this kind is a necessity. Beautiful and artistic in appearance. No seams to develop leaks. This tank will last a lifetime.

The Syphon Jet Closet Bowl is of the very latest type, very heavy and massive in design, artistic and graceful in appearance. One of the highest grade and most efficient closet bowls on the market at the present time. Molded in one solid piece, from the best quality vitreous earthenware, smooth white glazed inside and out. The syphonic flushing action with jet spray in bottom of bowl insures an absolutely positive flushing of the bowl. No chance of stopping up or getting out of order.

Seat is carefully built in sections, doweled and glued, of strong, durable construction, with mahogany finish, highly polished, and fitted with latest type of nickel plated extension post hinges.

Outfit is fully equipped with all nickel plated trimmings, including nickel plated flush elbow, nickel plated floor screws, and nickel plated supply pipe to floor, with floor flange. Shipping weight, 140 lbs.

FIT FOR THE FINEST MANSION

Our "MONARCH" Bath Room Combination, above illustrated, has been selected for some of the finest residences throughout the country. This combination is one of the most beautifully designed bath room outfits on the market, and considering the very high quality, we know that this outfit cannot be duplicated elsewhere in the country at the very low price we ask.

Why be without a modern bath room combination in your home, when you can get such a high grade outfit at this at such a very reasonable price? So far as the installation is concerned, you are not dependent upon your plumber. Through the use of our special cast iron threaded drainage fittings, as described on Page 47 of this book, you can use regular threaded iron pipe for all waste connections, and we can furnish all fixtures with iron pipe threaded outlets, so that any man who can cut and thread iron pipe and screw it together can easily install this outfit, by following our very simple plans and instructions.

Fill out one of our special plumbing information blanks and send it to us. Give us a sketch of your building, marking thereon where your bath room will be located, and indicate how you would like to place the different fixtures. Our estimators will prepare a complete proposal for you on the entire equipment, including all the pipe and fittings required to install the entire outfit. You will be really surprised at the very low figure that we can make you.

If you have not the necessary tools, we will cheerfully loan them to you, as per our offer on Page 48 of this book. Write today for our estimate.

THE LAVATORY

The Lavatory is a beautiful pedestal, cast iron, white porcelain enameled lavatory, with ideal waste fitting, as shown in illustration. Waste is capped with white China Index. Basin cocks are of latest type, semi low down. Fuller pattern, nickel plated, with white China handles, indexed hot and cold.

Lavatory is also equipped with supply and waste pipes to wall, with wall flanges and half "S" trap. All trimmings are of heavy brass construction, heavily nickel plated. Lavatory is genuine white porcelain enameled over all, from floor up, as shown in illustration. Size of slab, 24 in. by 27 in. Size of bowl, 13 in. by 18 in. Weight, crated for shipment, about 200 lbs.

3CP56306 "MONARCH" Bath Room Outfit, as described. Weight, complete, crated for shipment, about 640 lbs. Price..... **\$68.90**
Above price is for fixtures only, as described. For bath mirror, towel bar, etc., see below.

NOTE—If outfit is wanted for iron pipe connection, add..... **\$1.50**
If 4½ ft. tub is wanted, deduct..... **.50**
If 5½ ft. tub is wanted, add..... **1.50**
If 6 ft. tub is wanted, add..... **3.00**
If ivory white finish is wanted on outside of tub, add, net .. **12.50**

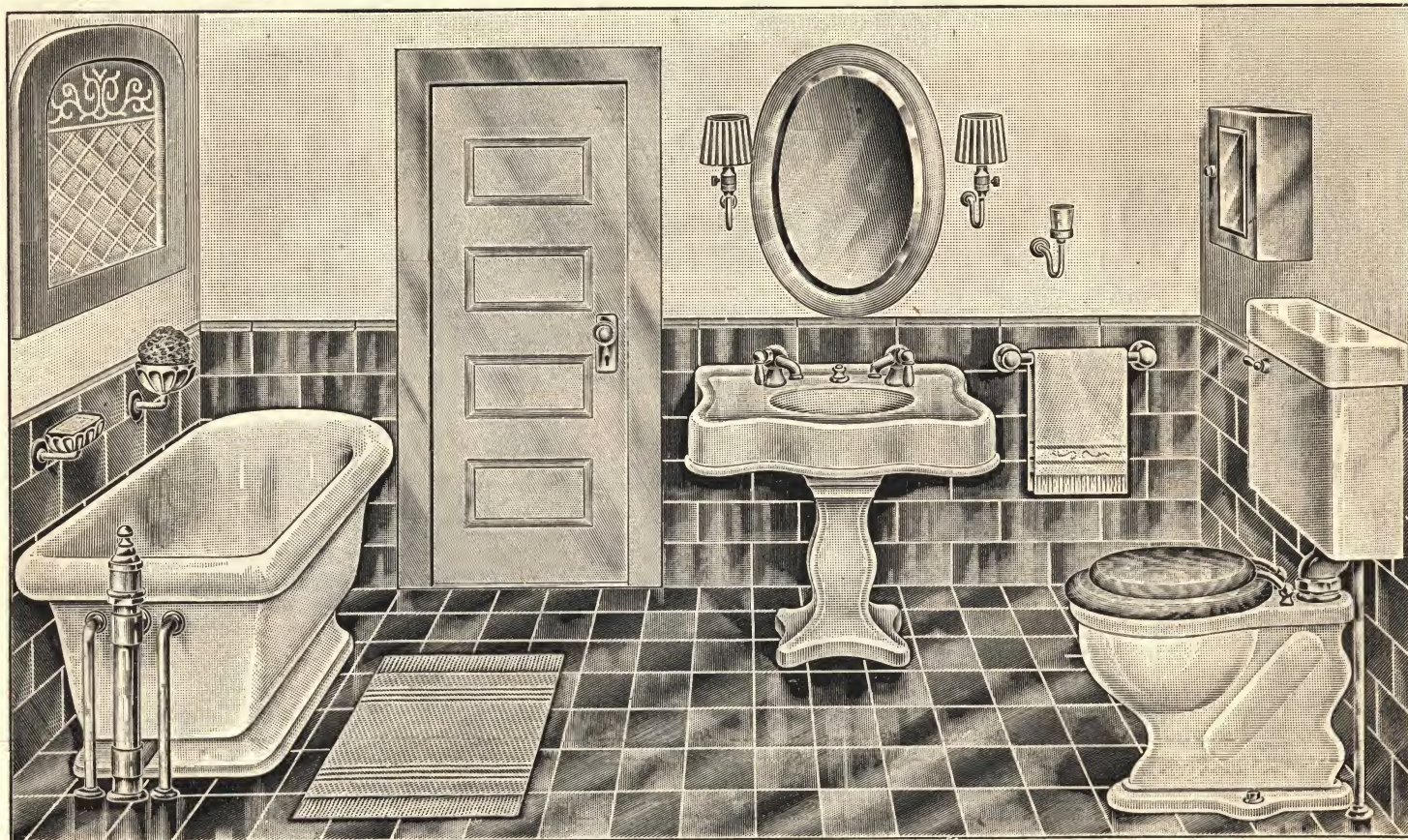
ACCESSORIES

Price quoted on bath room outfit does not include bath room trimmings. These will cost extra, as follows:

3C56404	Beveled French Plate Bath Room Mirror. With white enameled frame. Size, 14x24 in. Weight, 45 lbs. Each.....	\$2.40
3C56380	Glass Towel Bar. With solid brass, nickel plated end post. Diameter of glass bar, 1 in. Length, 24 in. Weight, 3 lbs. Each.....	\$1.40
3C56406	Bath Tub Seat. White enameled, nickel plated hangers. Rubber guards. Weight, 4 lbs. Each.....	0.67
3C56315	Nickel Plated Soap Dish. Weight 7 oz. Each.....	0.62
3C56329	Nickel Plated Tumbler Holder and Soap Dish. Weight, 12 oz. Each.....	0.85
3C56390	Nickel Plated Toilet Paper Holder. Weight, 12 oz. Each.....	0.57
3C56346	Nickel Plated Sponge Holder. Weight, 14 oz. Each.....	0.90
3C56397	Special price for above full set of Bath Room Trimmings, as described	7.25

\$ 69.50 "Elite" Bath Room Outfit

Pedestal Bath Tub, Pedestal Lavatory, Syphon Jet Closet, Roman Fittings a Beautiful Combination



THE BATH TUB

The Bath Tub included with our "ELITE" bath room combination, is a work of art. It is the very latest type, pedestal design, stately and graceful in appearance, with ivory white, genuine porcelain enamel finish inside and over the roll rim. The pedestal base is cast in one piece, and the body of the tub in another. The tub sets rigidly on the base, and the two are matched by a gracefully designed curve, so that it looks like one solid casting. Outside of tub is furnished with plain painted finish, but if so desired we can furnish tub with ivory white enamel finish on outside of entire body of tub and pedestal, striped in gold, at an extra charge, as noted below. Tub is fitted with the very latest type of **Standing Roman Lifting Waste**, with China waste index of heavy brass construction; heavily nickel plated. This fitting does away entirely with the necessity of a rubber plug or stopper in the bottom of the bath tub, which is often so troublesome and hard to keep in place. Tub is also fitted with nickel plated Fuller double bath cock and nickel plated supply pipes to floor, as shown. This tub is absolutely guaranteed to be of the very highest grade, and the enamel is guaranteed not to chip, peel or crack while in use. Length of tub, 5 ft.; width, 30 in.; extreme outside measurement, from edge to edge of rim. Has a 3 in. heavy roll rim around entire tub. Depth of tub, 17½ in. inside. Height from floor to top of tub, 23 in. Shipping weight, approximately, 400 lbs.

THE CLOSET

The Closet, furnished with this outfit, is the very latest and most modern type of Syphon Jet Closet, low tank pattern, with vitreous China tank and mahogany finished seat and cover. Like the balance of the fixtures in this combination, it represents the very best we are able to offer you. The tank is of large capacity, molded in one solid piece of vitreous China, with ivory white finish and vitreous China box shape top. Tank is equipped with the very latest flushing mechanism, including ball float, flush valve, operated by China handled lever in upper corner of tank, as shown. Ball cock is of compound lever construction, with adjustable corrugated copper ball float so that just the right amount of water required for flushing the closet can be admitted to tank, tending to cut down the water waste and insuring absolutely positive flushing of the bowl. Flushing mechanism of this tank is of the simplest and most perfected design known to the trade, and is guaranteed not to get out of order. The closet bowl is of vitreous earthenware, white glazed inside and out, real syphon jet pattern, carefully tested and inspected before leaving the factory, and guaranteed to work perfectly and give satisfaction. Outfit is equipped with highly polished mahogany finish seat and cover, with nickel plated extension post hinges and rubber buffers where seat comes in contact with top of bowl. Tank is connected to bowl by heavily nickel plated offset flush elbow, with slip joint connections. Outfit is also fitted with nickel plated supply pipe from tank to floor, and nickel plated floor flange for same. Sufficient nickel plated floor screws and washers are included to fasten bowl to floor. Shipping weight, approximately, 150 lbs.

ABSOLUTE PERFECTION

Our "ELITE" Bath Room Outfit is the very highest grade combination that we could offer you at any price. Every fixture of this outfit represents the very latest creation of the designer's art. It is without any question one of the most stylishly finished and artistically designed bath room combinations ever placed on the market. This outfit will do credit to the finest mansion in the country, and is bound to please the most exacting critic in the art of home beautification. Every detail in the make up of this bath room combination has been wrought out to a point of absolute perfection. We do not know how anything about it could be further improved upon. The workmanship, fine finish, and quality of the product will measure up to the highest standard. This is the same outfit that your local plumber would probably charge you from \$100.00 to \$125.00 for, and even then we doubt if the high standard of quality and highly artistic design so strongly emphasized in this outfit would be duplicated. This is your opportunity to procure a bath room combination fit for a palace at a very moderate price. Why be without a modern bath room outfit in your home when you can secure such a high grade combination as this at such a very low price?

So far as the installation is concerned, you are not dependent upon your plumber. With our simple system of iron pipe connections any man who can cut and thread iron pipe and screw it together will be able to do this work for you, or you can do it yourself during your spare time, and the saving will be still greater.

Fill out one of our special plumbing information blanks and send it to us. Give us a sketch of your building and indicate where you would like to locate the different fixtures. Our estimators will prepare a complete proposition for you on your entire plumbing system, including pipes, fittings and all. You will really be surprised at the very low figure we can make you. Write today for our estimate.

THE LAVATORY

The Lavatory furnished with this outfit, is a heavy, massive, artistically designed pedestal lavatory, beautiful in appearance, made of cast iron and heavily coated with genuine white porcelain enamel from the floor up. Enamel is absolutely guaranteed against chipping or cracking in ordinary use. The lavatory is fitted with heavy brass ideal waste, with China waste index so that it requires no rubber plug stopper in the bottom of the bowl. The trouble and annoyance of this plug becoming unfastened, etc., are entirely done away with. Faucets are of special Fuller pattern, of heavy brass construction, low set type, with white China handles. Lavatory is fitted complete, with nickel plated waste and supply connections to wall. These connections are taken out of back of pedestal, just below slab, and are practically invisible. Size of slab, 24 in. wide by 33 in. long. Size of bowl, 13x18 in. Shipping weight, approximately 200 lbs.

3CP56308 "ELITE" bath room outfit complete, as described. Weight complete outfit, crated for shipment, 750 lbs. Price..... **\$69.50**

Above price is for fixtures only, as described. For bath room trimmings such as mirror, towel bar, etc., see below.

NOTE—We can furnish above outfit, with all supply and waste connections for iron pipe thread, at \$1.50 extra. If 4½ ft. tub is wanted, price will be the same.
If 5½ ft. tub is wanted, add..... **\$ 3.00**
If 6 ft. tub is wanted, add..... **5.00**
If ivory white finish is wanted on outside of bath tub, with gold stripe trimming, add..... **12.50**

ACCESSORIES

3C56402 Beveled French Plate Bath Room Mirror, oval pattern with white enameled frame. Size 14x24 in. Weight, 45 lbs. Each..... **\$2.60**
3C56380 Glass Towel Bar, with solid brass nickel plated end post. Diameter of glass bar, 1 in. Length, 24 in. Weight, 3 lbs. **1.40**
3C56406 Bath Tub Seat, white enameled, nickel plated hangers, with rubber guards, solid oak polished finish. Weight, 4 lbs. Each..... **.67**
3C56315 Nickel Plated Soap Dish. Weight, 7 oz. Each..... **.62**
3C56319 Nickel Plated Tumbler Holder. Weight, 5 oz. Each..... **.42**
3C56390 Nickel Plated Toilet Paper Holder. Weight, 12 oz. Each..... **.57**
3C56346 Nickel Plated Sponge Holder. Weight, 14 oz. Each..... **.95**
3C56320 Special price for above, complete set..... **6.95**

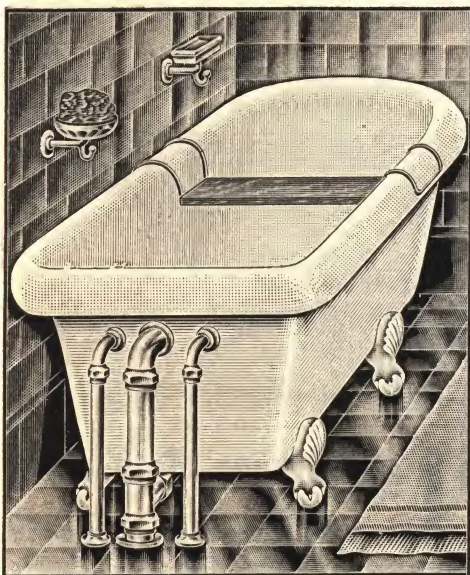
PORCELAIN ENAMELED BATH TUBS

HIGHEST QUALITY

Our complete line of high grade White Porcelain Enameled, Cast Iron Bath Tubs, offered on this page, is a product of which we are proud. These tubs are not to be compared to the cheap competition tubs on the market. They are far superior to anything in this line ever before offered at such exceptionally low prices. These tubs are manufactured especially for us by one of the oldest and most reliable and experienced plumbing goods manufacturers in the country. The entire product of this factory is at our disposal, and owing to our enormous sales of these tubs we are able to handle them on a very small margin of profit. The price you pay is the price of the tub at the factory, with our one small profit added.

Everything about these tubs is suggestive of superior quality: artistic and graceful design; perfect, well-finished casting, and smooth ivory white enamel finish. In the enameling alone is to be found one of the greatest points of superiority. This enamel is applied to the tub by a special process in the manufacture, which results in a hard, fast contact between the enamel and the iron, making it impossible for the tubs to peel or crack while in use.

\$18²⁵ GENUINE WHITE PORCELAIN ENAMELED BATH TUB COMPLETE WITH NICKEL-PLATED TRIMMINGS



Best quality, genuine White Porcelain Enameled Cast Iron Bath Tub, with full 3 in. heavy roll rim. A very handsome tub, of graceful and artistic design, an ornament to any bath room. Tub is cast from the best grade of soft gray iron, after which the casting is thoroughly cleaned, filed and finished, before the porcelain enamel is applied. Every casting is absolutely guaranteed sound and perfect, and free from any possible defects. Genuine white porcelain enamel is applied inside the tub and over the roll rim. A heavy coat of porcelain enamel, deep ivory white in color, is put on by a special process, insuring hard and fast contact between iron and enamel, and rendering cracking or peeling impossible. The outside of the tub is painted one coat of iron filler paint. We can, however, furnish tub with ivory white finish, trimmed with gold bands, at extra cost, as noted below. Tub is fitted complete with nickel plated connected waste and overflow, and nickel plated supply pipes to floor, all of heavy nickel plated brass construction, with slip joint coupling connections. Tub is also fitted with No. 4½ heavy brass, nickel plated, Fuller double bath cock, with indexed handles for hot and cold. Width of tub over rim, 30 in. Depth inside, 17½ in. Height, from floor to top edge of rim, 23 in. Tub is fitted for lead pipe connection. If iron pipe connection is wanted, we can furnish same at an extra charge of 50c. Quality of tub is absolutely guaranteed. Usual value, \$25.00. Approximate shipping weight is 350 lbs.

NOTE—Prices given below are for tub only, with nickel plated trimmings, as described, and do not include bath seat, sponge holder or soap dish, which are quoted separately:

Cat. No.	Size of tub	Length over rim	Price each
3CP56424	4½ ft.	55 in.	\$18.25
3CP56425	5 ft.	61 in.	18.75
3CP56426	5½ ft.	67 in.	21.00
3CP56427	6 ft.	73 in.	22.75

3CP56428—Bath Tubs only with legs. No other trimmings. Quality guaranteed:

Size of tub	Price, each
4½ feet.	\$13.70
5 feet.	14.35
5½ feet.	16.80
6 feet.	18.70

NOTE—If ivory white finish is wanted on outside of tub, with gold bands, add \$12.00.

3CP56405—Bath Tub Seat. Polished oak, with nickel plated hangers which fit over rim of tub, and have rubber guards to prevent injury to the tub. Weight, 4 lbs. 50c

Each.....

3CP56315—Nickel Plated Wall Pattern Soap Dish. Weight, ¼ lb. 62c

Each.....

3CP56346—Heavy Brass, Nickel Plated, Wall Pattern Sponge holder. Weight, 1 lb. 88c

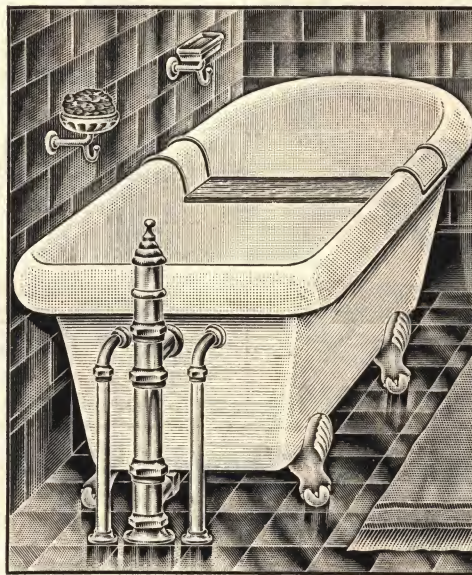
Each.....

LOWEST PRICES

The enamel is of the very highest quality, very heavily applied, giving tub a full, deep white color, and getting away entirely from the pale, bluish tint, which is always to be found in the cheaper tubs. We are offering you here an exceptionally high grade bath tub at a price that is even below what you would ordinarily pay for the second or third grade competition tubs on the market at the present time.

It is not a difficult matter to install one of these bath tubs in your home. You will note we quote these tubs with iron pipe connection, if desired, so that you can use ordinary iron pipe for making the waste and supply pipe connections. Anyone who can cut and thread iron pipe can easily do all the work. It does not require an experienced plumber. Our clear and explicit instructions, which we will cheerfully furnish, explain fully how all the connections should be made. If you place your order for one of these tubs, you will have no difficulty in getting it installed, even without the services of your plumber.

\$21⁵⁰ GENUINE WHITE PORCELAIN ENAMELED BATH TUB WITH NICKEL-PLATED ROMAN WASTE AND TRIMMINGS



Genuine White Porcelain Enameled Bath Tub. Highest grade, artistic and graceful appearance. Heavy 3 in. roll rim. Tub is cast from the best grade of soft gray iron. Casting is very carefully cleaned and finished, and guaranteed free from defects or imperfections of any kind. Entire tub is heavily coated with genuine white porcelain enamel on the entire inside and over the roll rim. Enamel is applied by a special process, insuring hard and fast contact between the enamel and the iron, and preventing any possibility of cracking or peeling while the tub is in use. Tub is mounted on gracefully designed, ornamental cast iron legs, as shown. A special feature of this tub is the "Ideal" waste and overflow fitting. This is the very latest type of waste fitting on the market at the present time. It is of heavy brass construction, heavily nickel plated, with China waste index. This fitting does away entirely with the necessity of any rubber stopper in the tub, which is often so troublesome and hard to keep in place. Tub is also fitted with heavily nickel plated brass supply pipes to floor, with floor flanges, and heavily nickel plated Fuller double bath cock, with indexed handles for hot and cold. In quality this tub is guaranteed to be up to the very highest standard. The enamel is full deep white in color, with a smooth and even surface, free from any imperfections, and is fully guaranteed not to chip or crack under ordinary use. Tub is fitted for lead pipe connections. If iron pipe connections are wanted, add 50c to prices quoted. Outside of tub is painted with one coat of iron filler paint. If desired, we can furnish tub with ivory white, hand rub zinc finish on outside, with gold bands, at extra charge, as noted below. Width of tub over rim, 30 in. Depth inside, 17½ in. Height, from floor to top of rim, 23 in. Approximate shipping weight, 350 lbs.

NOTE—Prices given below are for tub with nickel plated trimmings, as described, and do not include the bath seat, sponge holder, or soap dish, which are quoted separately:

Cat. No.	Size of tub	Length over rim	Price each
3CP6430	4½ ft.	55 in.	\$21.50
3CP6431	5 ft.	61 in.	22.50
3CP6432	5½ ft.	67 in.	24.50
3CP6433	6 ft.	73 in.	27.30

NOTE—If ivory white finish is wanted on outside of tub, with gold bands, add \$12.00.

3CP56405—Bath Tub Seat. Polished oak, with nickel plated hangers which fit over rim of tub and have rubber guards to prevent injury to the tub. Weight, 4 lbs. 50c

Each.....

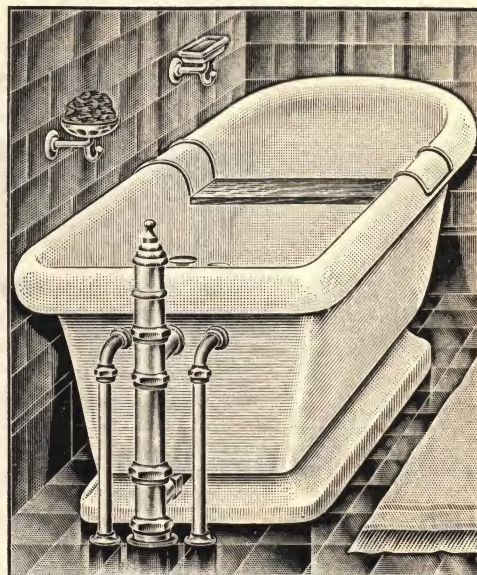
3CP56315—Nickel Plated Wall Pattern Soap Dish. Weight, ¼ lb. 62c

Each.....

3CP56346—Heavy Brass Nickel Plated Wall Pattern Sponge Holder. Weight, 1 lb. 88c

Each.....

\$26²⁵ WHITE PORCELAIN ENAMELED PEDESTAL BATH TUB WITH ROMAN WASTE AND ALL NICKEL-PLATED TRIMMINGS COMPLETE



Genuine White Porcelain Enameled Cast Iron Pedestal Bath Tub. Very latest type pedestal design. Stately and graceful in appearance, with ivory white, genuine porcelain enamel finish inside and over the roll rim. The tub and the base are made of the best grade of soft gray iron. The pedestal base is cast in one piece, and the body of the tub in another. The tub sets rigidly on the base, and the two are matched by a gracefully designed curve, so that it looks like one solid casting. Outside of tub is furnished with plain painted finish, but if so desired we can furnish tub with ivory white enamel finish on outside of entire body of tub, and pedestal striped in gold, at an extra charge, as noted below. Tub is fitted with the very latest type of Standing Roman Lifting Waste, with China waste index of heavy brass construction, heavily nickel plated. This fitting does away entirely with the necessity of a rubber plug or stopper in the bottom of the bath tub, which is often so troublesome and hard to keep in place. Tub is also fitted with nickel plated supply pipes to floor, and No. 4½ nickel plated Fuller double bath cock, with index handles for hot and cold. Tub is absolutely guaranteed to be of the highest grade, and the enamel is guaranteed not to chip, peel or crack while in use. Length of tub, 5 ft. Width, 30 in., with 3 in. heavy roll rim around entire tub. Depth inside, 17½ in. Height, from floor to top of rim, 23 in. Shipping weight, approximately, 400 lbs. Tub is fitted for lead pipe connection. If iron pipe connections are wanted, add 50c to price quoted.

NOTE—Prices given below are for tub only, with nickel plated trimmings, as described, and do not include the bath seat, sponge holder, or soap dish, which are quoted separately:

Cat. No.	Size of tub	Length over rim	Price each
3CP56439	4½ ft.	55 in.	\$26.25
3CP56440	5 ft.	61 in.	27.25
3CP56441	5½ ft.	67 in.	30.50
3CP56442	6 ft.	73 in.	33.50

NOTE—If ivory white finish is wanted on outside of tub, with gold bands, add \$15.00.

3CP56405—Bath Tub Seat. Polished oak, with nickel plated hangers which fit over rim of tub, and have rubber guards to prevent injury to the tub. Weight, 4 lbs. 50c

Each.....

3CP56315—Nickel Plated Wall Pattern Soap Dish. Weight, ¼ lb. 62c

Each.....

3CP56346—Heavy Brass, Nickel Plated, Wall Pattern Sponge Holder. Weight, 1 lb. 88c

Each.....

ENAMELED STEEL BATH TUBS

FOR PORTABLE USE THESE TUBS
ARE UNSURPASSED

LIGHT, STRONG, DURABLE

IF PROPERLY CARED FOR THESE TUBS
WILL LAST MANY YEARS

Enameled Steel Bath Tub \$5⁸⁵

For those not wishing to go to very great expense in fitting up a bath room, our enameled steel tubs will be found especially attractive. They are light in weight, so the freight charges are very little, and in many instances they will answer the purpose almost as well as any of the higher priced tubs on the market.

The tub is built of heavy gauge sheet steel, galvanized and enameled, with a bake finish enamel inside, and outside over the galvanizing. The tub is enameled white inside, and a sky blue color outside, trimmed in gold. Top of tub is capped with 25-inch solid oak rim, nicely varnished and finished.

Tub is fitted with brass, nickel plated, connected waste and overflow, chain and rubber stopper. Fuller bath cock or nickel plated supply pipes are not included at prices quoted.

If properly cared for, and given a good coat of white enamel on the inside about once each year, these tubs will last many years. Do not allow boiling hot water to run into the tub at first. See that the entire bottom of the tub is covered with cold water before turning on the hot water. This will preserve the enamel on the tub. Weight, 90 lbs.

3CP56420—Length, 4½ ft. Each.....\$5.85

3CP56421—Length, 5 ft. Each.....6.40

3CP56422—Length, 5½ ft. Each.....6.70

These Bath Tubs are absolutely guaranteed to give satisfaction, and with a reasonable amount of care will last many years.

EXTRAS

3CP55470—No. 4½ Fuller Double Bath Cock. For ½ in. iron pipe connection. \$1.88

Weight, 4 lbs. Each.....

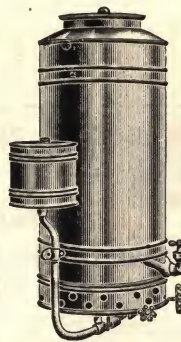
3CP56527—Nickel Plated Bath Supply Pipes. ½ in. 1.30

Per pair.....

NOTE—If 1½ in. iron pipe connection is wanted on waste outlet of tub, add.....50c



"HANDY" BATH COMBINATION \$13⁶⁵



This outfit consists of our portable home Nickel Plated Bath Water Heater, fully described on Page 27 of this book, with our enameled steel bath tub, described on this page. One of the most convenient little combinations on the market, entirely self-contained. No plumbing required. For use in Summer cottages, temporary buildings, or any place where a permanent installation is not desirable.

Tub is light and easily handled. Can easily be picked up and put away when not in use. Waste outlet can be fitted with rubber hose, to discharge waste water out of doors into sewer or cesspool, so that this outfit may be used without any plumbing piping system whatever.

For permanent installation, it is only necessary to make the waste and cold water supply connection. Hot water is supplied by heater. Wt., 140 lbs. Shipped from factory, Eastern Michigan.

3CP56435—Handy Bath Combination, with 4½ ft. tub. Each (at factory).....\$13.65

3CP56436—Handy Bath Combination, with 5 ft. tub. Each (at factory).....14.20

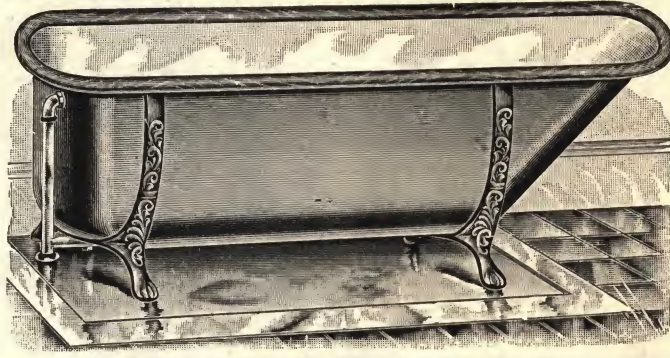
EXTRAS

3CP55470—No. 4½ Fuller Double Bath Cock. For ½ in. iron pipe connection. Weight, 4 lbs. Each.....\$1.88

3CP56527—Nickel Plated Bath Supply Pipes. ½ in. 1.30

Per pair.....

NOTE—If 1½ in. iron pipe connection is wanted on waste outlet of tub, add.....50c



Rubber Shower Bath Hose

78c



3CP56500 Flexible rubber hose Shower Bath Spray. Made of the best corrugated rubber tubing, heavy weight. Length, 7 ft. Diameter, ¾ in. This spray is easily attached to any faucet not over one-half inch in outside diameter.

A refreshing shower bath can be taken without wetting the hair. A highly practical, inexpensive shower attachment should be in every bath room. Just the thing for a cool, exhilarating, rinsing shower before finishing the bath. Usual \$1.25 value.

Weight, 12 oz. 78c

Each.....

Oak Bath Tub Seats, 50c



ing to protect enamel on tub. Indefinitely. Regular 75c value. Each.....

3CP56405 Polished oak bath tub seat with heavy nickel plated hangers to fit over rim of tub. Fits any size tub; hangers are covered with rubber tubing. Substantially made, will last 50c

Weight, 4 lbs. 50c

WHITE ENAMELED BATH TUB SEAT

3CP56406 Bath Seat. Same construction as above, except that it is finished in white enamel. Weight, 4 lbs. 67c

Each.....

Shower Bath Spray 67c

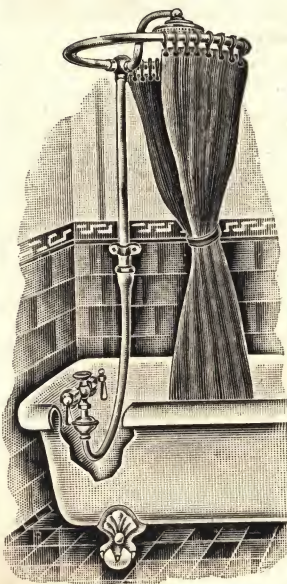


3CP56505 Shower Bath Spray, for shampoo or bath. Has nickel plated brass, perforated shower head, with heavy white rubber tubing for connection to bath faucet. Easily attached to any bath faucet which is not over ¾ in. in outside diameter. Temperature of water easily controlled by regulating faucet. Can be attached or detached instantly. No plumbing work required.

The shower head is fitted with a rubber guard, to prevent injury to tub or basin. A fine, needle spray-rinsing shower can be taken without wetting the hair. As a shampoo spray it is unsurpassed. Regular \$1.00 value. Weight, 12 oz. Our price, 67c

Each.....

Bath Tub Shower \$6¹⁰ Combination . . .



3CP56508—

Here is a complete, modern Shower Bath Combination, at a price within the reach of all. No expensive plumbing work required to attach it. Entirely self-contained. Comes already packed in box, with screws for attaching to wall, as shown in illustration. Can be fastened in very few minutes, and it is ready for service. A screw driver is the only tool you need to set it up.

The entire frame, including the curtain ring, is made of heavily nickel plated brass tubing. Shower head and extension arm are also of heavy nickel plated brass construction, and the entire outfit is very substantially made in every way.

The curtain is of soft white duck, and a rubber cap to protect the hair from getting wet is furnished with each outfit. Can be attached or detached instantly from bath faucet, as shown. Temperature of shower water can easily be regulated to the exact degree desired by simply adjusting the handles of the bath cock on the tub to which tube is attached. Every outfit absolutely guaranteed. Regular \$10.00 value. Weight, 9 lbs. Complete, with curtain, cap and rubber tube. \$6.10

Each.....

Each.....

Each.....

Each.....

Each.....

Each.....

Each.....

Each.....

Each.....

Each.....

\$1³⁰ Shower Bath Yoke

Can be attached or detached instantly. No Plumbing Work required



3CP56502 Shower Bath Yoke. Made of brass, heavily nickel plated, with flexible rubber tubing attachment. Can be instantly attached to any bath faucet. No plumbing work required. Temperature of water easily regulated by adjusting faucet handles on bath cock, to which tube is attached. Enables you to take a shower without wetting the hair. Just the thing for a cool, refreshing, rinsing shower before leaving the bath. One of the finest shower attachments on the market. Regular \$2.00 value. Weight, 1 lb. Yoke and Tubing, Complete.....\$1.30

Portable Shower \$3³⁰ Self-Contained -



3CP56506 Portable Shower Bath Outfit. Consists of a galvanized iron tank of 5 gallon capacity, which is fastened to wall, and to which is attached a rubber shower hose. In this way a complete bath can be taken without the necessity of any plumbing installation whatever. Can be used in any building anywhere, regardless of whether plumbing is installed or not. Simply fill the tank with water at proper temperature, and it is ready for service.

This outfit will be found very convenient and desirable where the house is not equipped with a bath tub. Easily attached to the wall with a few screws. A cool, refreshing shower within reach of all. Flow of water is controlled by valve beneath tank, to which rubber tube is connected. A shower can be taken without wetting the hair. Weight, packed for shipment, 6½ lbs. Regular \$5.00 value. Complete Portable Shower Bath Outfit, as described.....\$3.30

Each.....

Each.....

Each.....

Each.....

Each.....

Each.....

A Cold, Refreshing Shower Should Always be Taken Before Leaving the Bath

PORCELAIN ENAMELED LAVATORIES

QUALITY GUARANTEED

Our Cast Iron White Porcelain Enameled Lavatories are all manufactured especially for us, and are guaranteed to be of the very highest quality. The castings are made from the best grade of soft gray iron. Each casting is carefully inspected and guaranteed perfect, free from flaws or defects of any kind.

The castings are very carefully filed and finished, after being taken from the sand and they are then heavily coated with the best quality of genuine white porcelain enamel, applied by a special process in manufacture, which insures a hard and fast contact between the enamel and the iron surface, and prevents any possibility of peeling or cracking after the fixture is in use. Enamel is very heavily applied with a smooth and even surface, free from imperfections of any kind. The enamel is guaranteed to be of full, deep, clear white color, entirely free from that bluish tint which is always to be found in the lower grades of plumbing fixtures.

In finish, workmanship and material, these fixtures are absolutely guaranteed to come up to the very highest standard of plumbing fixtures manufactured at the present time. The prices at which we are offering these fixtures mean a saving to you of anywhere from 30 to 50 per cent over any prices that you can secure elsewhere on such a high grade of goods.

A GREAT CONVENIENCE

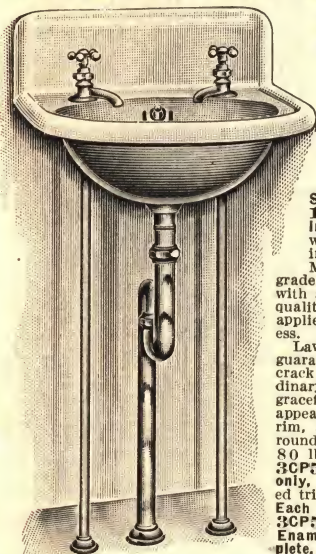
Very few people building modern homes ever stop to consider the great convenience of an extra lavatory or two located at convenient places in the home. As a rule the bath room is always on the second floor. What a great convenience it would be to have an extra lavatory on the first floor, located where the members of the household can wash up after coming in from work or play.

It is not a difficult matter to install one of these fixtures. With our modern system of iron pipe connections it is very simple, indeed. Any ordinary mechanic can do the work; it does not require the services of an expert plumber.

We can furnish any of these lavatories with pipes for connection to either floor or wall. Both styles of connection are shown in the illustrations below. Where connections are made to wall it is necessary to have the supply and waste pipes extend up inside the plastered partition, and if you are installing a lavatory in an old building, we recommend the floor connections, as this avoids the necessity of tearing out the plastered wall to run the pipes. It will only be necessary to remove part of the floor where the pipes run, and the wall need not be disturbed.

You will note that each lavatory is listed with pipes to floor and pipes to wall.

WHITE ENAMELED LAVATORY \$3.65



Genuine White Porcelain Enameled, Cast Iron, Half Circle Straight Wall Lavatory.

Size, 10x14 with 10x14 bowl and 6 in. high back fitted with concealed cast iron wall brackets. Molded from the best grade of soft gray iron, with a heavy coat of best quality porcelain enamel applied by special process.

Lavatory is absolutely guaranteed not to chip, crack or peel under ordinary use. Neat and graceful in design and appearance. Narrow roll rim, all corners carefully rounded. Shipping weight, 80 lbs.

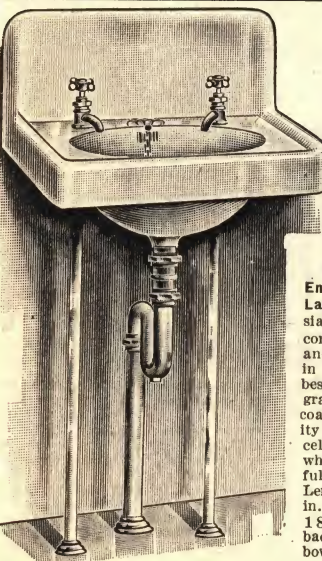
3CP56540—Lavatory only, without nickel plated trimmings. \$3.65

Each. 3CP56542—White Enameled Lavatory, complete, as described. Has heavily nickel plated compression low down basin cocks, with China indexed handles; nickel plated straight supply pipes to floor; nickel plated long "S" trap to floor; necessary nickel plated floor flanges; and nickel plated chain and rubber stopper, all complete, as shown in illustration, for lead pipe connection. Shipping weight, 90 lbs. Each. \$7.85

3CP56541—White Enameled Lavatory, same as described, with all fittings and connections to the wall instead of to the floor, for lead pipe connection. Each. \$7.85

NOTE—If above lavatory is wanted for iron pipe connection, add 75c.

Square Front Lavatory \$6.40



White Porcelain Enameled, Cast Iron Lavatory. Full square slab, with rounded corners. High back, and oval bowl. Cast in one piece, from the best grade of soft gray iron. Heavily coated with best quality genuine white porcelain enamel, ivory white smooth finish, fully guaranteed. Length of back, 24 in. Width from wall, 18 in. Height of back, 10 in. Size of bowl, 11x15 in., with patent overflow

and concealed wall brackets. Shipping weight, about 110 lbs.

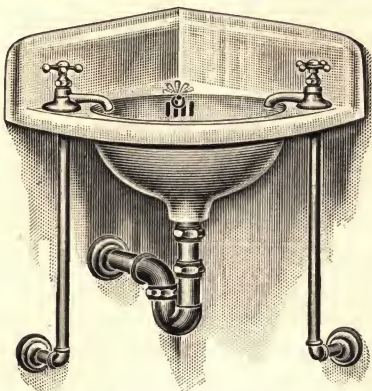
3CP56548—White Enameled Lavatory only, without fittings. Each. \$6.40

3CP56547—White Enameled Lavatory, complete with all nickel plated fittings to floor, as shown in illustration, including China indexed basin cocks, rubber plug and nickel plated chain, etc., for lead pipe connection. Shipping weight, about 120 lbs. Each. \$10.30

3CP56549—White Enameled Lavatory, as above described, with all nickel plated fittings for connection to the wall instead of to the floor for lead pipe connection. Shipping weight, about 120 lbs. Each. \$10.20

NOTE—If above lavatory is wanted for iron pipe connection, add 75c.

WHITE ENAMELED CORNER LAVATORY \$3.85



Genuine White Porcelain Enameled, Cast Iron Corner Lavatory. Small and compact in design, artistic and graceful in appearance. For use in all places where space is limited. A fine, serviceable little outfit, fully guaranteed. Length on sides, 16 in. Height of back, 5 in. Diameter of bowl, 11 in., with patent overflow and concealed cast iron wall brackets.

Lavatory is cast from the best grade of soft gray iron, heavily coated with best quality ivory white enamel, carefully applied. Guaranteed not to crack or peel while in use. Shipping weight, 70 lbs.

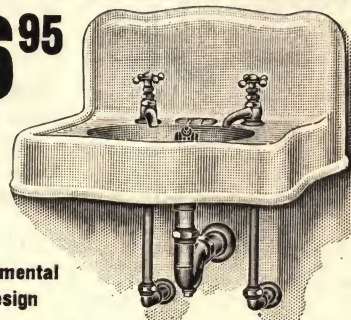
3CP56572—White Enameled Lavatory only, without any nickel plated trimmings. Each. \$3.85

3CP56573—White Porcelain Enameled Iron Lavatory, complete. Has nickel plated "P" trap for wall connection; nickel plated supply pipes to wall with necessary nickel plated wall flanges, etc.; and nickel plated low down pattern compression basin cocks, with China indexed handles for hot and cold, all complete, as shown in illustration, for lead pipe connection. Shipping weight, about 80 lbs. Each. \$8.25

3CP56574—White Enameled Iron Lavatory, as described. Has all nickel plated trimmings to the floor instead of to the wall, for lead pipe connection. Shipping weight, about 80 lbs. Each. \$8.35

NOTE—If above lavatory is wanted for iron pipe connection, add 75c.

WHITE ENAMELED LAVATORY \$6.95



Ornamental Design

Genuine White Porcelain Enameled, Deep Apron Lavatory. Ornamental design, like illustration. Length of back, 24 in. Width from wall, 18 in. Height of back, 10 in. Has "P" shape bowl, 11x16 in., with patent overflow and concealed cast iron wall brackets. Of beautiful, artistic design, and graceful appearance. Perfect casting. Best quality genuine white porcelain enamel, smooth ivory white finish. Fully guaranteed. Shipping weight, about 120 lbs.

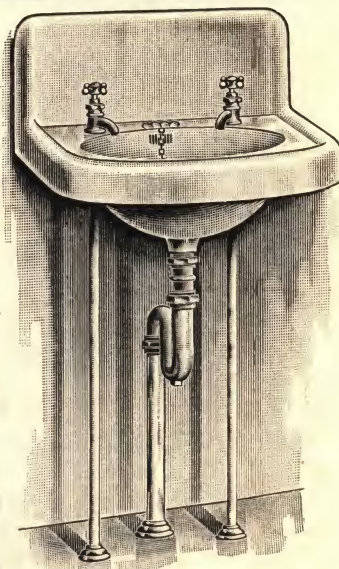
3CP56562—White Enameled Lavatory only, without fittings. Each. \$6.95

3CP56563—White Enameled Lavatory, complete as shown in illustration, including all nickel plated fittings for wall connection; nickel plated compression basin cocks, with China indexed handles; nickel plated chain and rubber stopper, etc., for lead pipe connection. Shipping weight, about 130 lbs. Each. \$11.45

3CP56564—White Enameled Lavatory, as described. Has all nickel plated trimmings to the floor instead of to the wall, for lead pipe connection. Shipping weight, about 130 lbs. Each. \$11.35

NOTE—If above lavatory is wanted for iron pipe connections, add 75c.

White Enameled Lavatory \$4.55



Genuine White Porcelain Enameled Lavatory. Has "P" pattern slab, rounded front. Medium size lavatory, with large, roomy wash bowl. One of the most serviceable lavatory outfits on the market. Straight wall pattern. Size 18x24 with 8 in. back and 10x14 bowl. A high-grade fixture, guaranteed free from flaws or defects of any kind. Patent overflow and concealed wall brackets. Shipping weight, about 90 lbs.

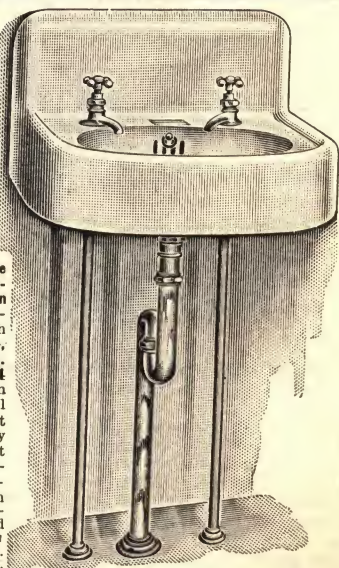
3CP56544—White Enameled Lavatory only, without nickel plated trimmings. Each. \$4.55

3CP56546—White Enameled Lavatory, complete as shown in illustration. Has nickel plated "S" trap and supply pipes to floor; nickel plated compression basin cocks, with China indexed handles; and nickel plated chain and rubber stopper, for lead pipe connection. Shipping weight, 100 lbs. Each. \$8.50

3CP56545—White Enameled Lavatory, same as above. Has all fittings to the wall instead of to the floor, for lead pipe connection. Shipping weight, 100 lbs. Each. \$8.65

NOTE—If above lavatory is wanted for iron pipe connections, add 75c.

Deep Apron Lavatory \$5.50



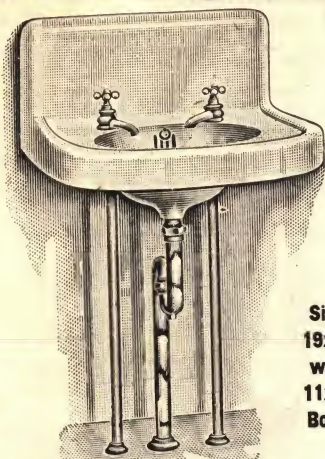
Genuine White Porcelain Enameled, Cast Iron Lavatory. Half circle pattern, with deep apron. Size, 18x21 with 8 in. back and 10x14 in. bowl fitted with concealed wall brackets. Perfect casting, heavily enameled with best quality white porcelain enamel. Ivory white smooth finish, fully guaranteed. Perfect and free from flaws or defects of any kind. Shipping weight, about 110 lbs.

3CP56554—White Enameled Lavatory, only, without fittings. Each. \$5.50

3CP56556—White Enameled Lavatory, complete as shown in illustration, with all nickel plated trimmings to the floor, for lead pipe connection. Shipping weight, about 120 lbs. Each. \$9.85

3CP56557—White Enameled Lavatory, as above, with nickel plated fittings to the wall instead of to the floor, for lead pipe connection. Shipping weight, about 120 lbs. Each. \$9.75

NOTE—If above lavatory is wanted for iron pipe connection, add 75c.

Solid White China Lavatory**\$8.40**

Size
19x21
with
11x15
Bowl

Solid White China Lavatory. Of heavy massive construction. Molded in one piece from solid vitreous China. White glazed finish. Round front pattern, with recessed slab of beautiful design. Very artistic in appearance. Supported from wall with concealed cast iron brackets. Length of slab across back, 21 in. Width, from wall, 19 in. Height of back, 6 in. Size of bowl, 11x15 in. Shipping weight, approximately, 65 lbs. A high grade fixture in every respect, fully guaranteed.

3CP56592—Lavatory only, without fittings. Each.....

\$8.40

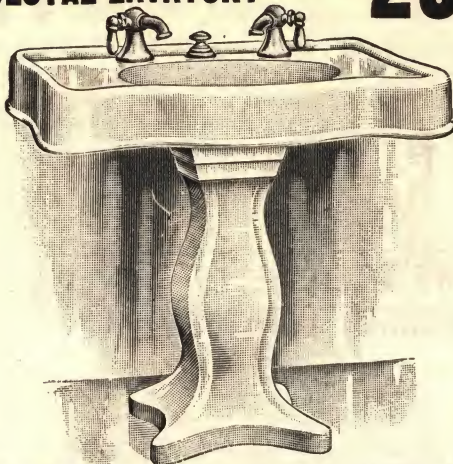
3CP56594—Lavatory complete, as shown. With two nickel plated China Indexed Compression Basin Cocks; nickel plated "S" Trap; and nickel plated Supply Pipes to floor; Rubber Plug, and nickel plated Chain complete, for lead pipe connection. Weight, approximately, 80 lbs.

\$13.35

3CP56593—Lavatory complete. Same as above, with all nickel plated trimmings to wall instead of floor, for lead pipe connection.

\$13.25

NOTE—If lavatory is wanted for iron pipe connection, add 75c to above price.

WHITE ENAMELED PEDESTAL LAVATORY**\$23.00**

Genuine White Porcelain Enamelled Iron Pedestal Lavatory. A very high grade lavatory fixture, suitable for the finest mansion. Lavatory is cast from the best grade of soft gray iron. Heavily coated from the floor up with genuine white porcelain enamel of deep china white color, applied by a special process which insures a hard and fast contact between the enamel and the iron, preventing any possibility of cracking or peeling of the enamel after the fixture is in use. The enamel surface is guaranteed smooth and perfect, free from defects of any kind. This lavatory will present a beautiful appearance in any bath room.

Lavatory is built in two separate parts, consisting of the top slab and base pedestal, each carefully filed and fitted for assembling. The entire fixture is finished up to the very highest standard. Lavatory is equipped with the very latest type of "Ideal" waste fitting, with white China indexed waste fixture of heavy brass construction, heavily nickel plated. This does away with the necessity of a rubber plug stopper, which is often so troublesome and hard to keep in place.

The basin cocks are of the very latest pattern, semi low down Fuller type, heavily nickel plated, with white China indexed handles for hot and cold. Pipe fixtures are designed for wall connection, and plumbing for lavatory should be arranged accordingly. Length of slab, 27 in. Width, 24 in. Size of bowl, 13x18 in. Shipping weight, about 200 lbs.

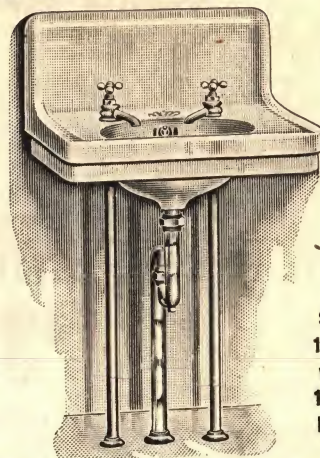
3CP56581—Pedestal Lavatory, as described. For lead pipe connection. Each.....

\$23.00

3CP56580—Pedestal Lavatory. Same style as above, except that slab is larger size, 33x24 in. wide. Size of bowl, 13x18 in. Weight, approximately, 240 lbs.

\$25.00

NOTE—If lavatory is wanted for 1 1/4 in. iron pipe connection, add 75c to prices quoted.

Solid China Full Front Lavatory**\$7.65**

Size
18x20
with
11x15
Bowl

Genuine white China lavatory like illustration. molded from one solid piece of vitreous China, ivory white glazed finish. A very high grade fixture, fully guaranteed A-1 quality, and perfect in every respect. Large square pattern slab, with rounded corners. Length of slab across back, 20 in. Width, from wall, 18 in. Height of back, 6 in. Size of bowl, 11x15 in. Patent overflow, with rubber plug stopper and nickel plated chain. Lavatory is supported from wall with concealed cast iron wall brackets. A high grade fixture in every respect. Shipping weight, about 62 lbs.

3CP56588—Lavatory only, without fittings. Each.....

\$7.65

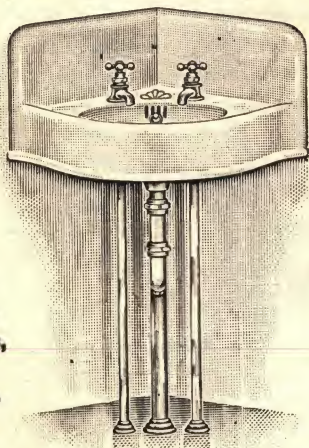
3CP56589—Lavatory complete, as shown in illustration. Has two nickel plated China indexed compression basin cocks; nickel plated "S" trap to floor; nickel plated straight supply pipes, with nickel plated floor flanges, for lead pipe connection; and nickel plated chain, and rubber stopper, complete. Shipping weight, about 75 lbs.

\$12.75

3CP56591—Lavatory complete, as above. Has nickel plated supply pipes and trap with outlet to the wall, instead of to the floor. For lead pipe connection. Each.....

\$12.65

NOTE—If lavatory is wanted for iron pipe connection, add 75c to prices quoted.

Deep Apron Corner Lavatory**WHITE ENAMELED****\$6.40**

Length
on sides
19 inches,
with
11x15 in.
Bowl

Genuine White Porcelain Enamelled Corner, Deep Apron Lavatory. Cast in one solid piece, with 8 in. high back, roll rim, rounded corners, recessed top. This is an ideal lavatory fixture for all places where a corner lavatory is desired. Recess soap dish cast in bowl.

Lavatory is heavily coated with smooth white enamel, best quality applied by special process, fully guaranteed against cracking or peeling. Size of bowl, 11x15 in., with patent overflow and concealed wall brackets. Shipping weight, about 90 lbs.

3CP56566—Lavatory only, as described, without nickel plated trimmings. Each.....

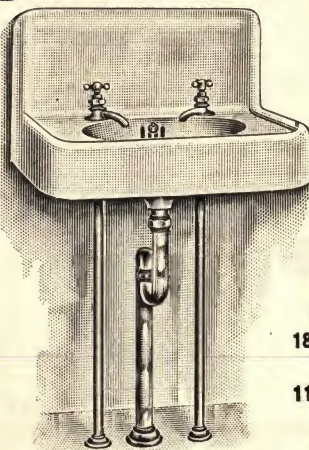
\$6.40

3CP56568—White Enamelled Lavatory complete, as shown in illustration. Has two nickel plated China indexed compression faucets; nickel plated "S" trap to floor; nickel plated straight supply pipes to floor; with floor flanges, for lead pipe connection; and nickel plated chain and rubber stopper. Shipping weight, about 100 lbs.

Each.....

\$10.75

NOTE—If lavatory is wanted for iron pipe connection, add 75c to prices quoted.

White Enamelled Straight Wall Lavatory**\$6.95**

Size
18x24 in.
with
11x14 in.
Bowl

Genuine White Porcelain Enamelled Cast Iron Lavatory. Has deep apron and high back, full square type slab with rounded corners. Oval bowl, size 11x14 in. Patent overflow and concealed cast iron wall brackets. Length of slab, 24 in. Width from wall, 18 in. Height of back, 10 in.

One of the most beautiful and gracefully designed straight wall lavatories on the market. An ornament to any bath room. Fixture is heavily coated with genuine white porcelain enamel, applied by a special process in the manufacture, insuring a hard and fast contact between the enamel and iron, and preventing any possibility of cracking or peeling while the fixture is in use. A strictly high grade fixture, fully guaranteed. Shipping weight, about 120 lbs.

3CP56558—Lavatory only, without fittings. Each.....

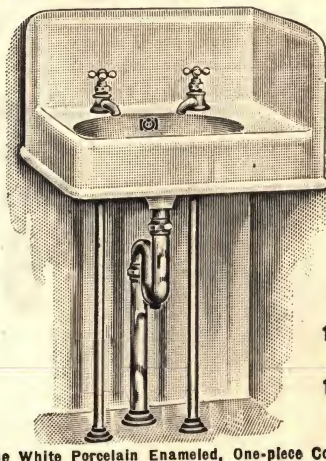
\$6.95

3CP56559—Lavatory, complete, as shown. Has two nickel plated China indexed compression basin cocks; nickel plated long "S" trap to floor; nickel plated straight supply pipes to floor, with floor flanges, for lead pipe connection; and nickel plated chain and rubber stopper. Shipping weight, about 130 lbs.

Price, complete.....

\$11.25

NOTE—If lavatory is wanted for iron pipe, add 75c to prices quoted.

Straight Front White Enamelled Corner Lavatory**\$11.50**

Size
18x24 in.
with
11x14 in.
Bowl

Genuine White Porcelain Enamelled, One-piece Corner Lavatory. Straight wall type, with corner piece. The special design of this lavatory is such that all of the advantages of the straight wall type of lavatory are retained. Front of lavatory faces outward from wall, as shown in illustration, instead of from corner. This eliminates the crowded effect, so noticeable in the regular type of corner lavatory.

One of the finest and highest grade lavatory outfits on the market. We strongly recommend this type wherever a corner lavatory is to be used. Quality absolutely guaranteed. Finished with either right or left hand end piece. Size of slab, 18x24 in. Height of back, 10 in. Oval bowl, 11x16 1/2 in. Shipping weight, 135 lbs.

White Enamel Corner Lavatory only, without nickel plated trimmings.

3CP56574—With Right Hand End, as shown. Each.....

\$11.50

3CP56575—With Left Hand End. Each.....

\$11.50

White Enamel Corner Lavatory, complete. Has nickel plated China indexed compression basin cocks; nickel plated long "S" trap to floor; and nickel plated straight supply pipes to floor, with floor flanges for lead pipe connection; and nickel plated chain and rubber stopper. Shipping weight, 145 lbs.

3CP56576—With Right Hand End, as shown. Each.....

\$16.00

3CP56577—With Left Hand End. Each.....

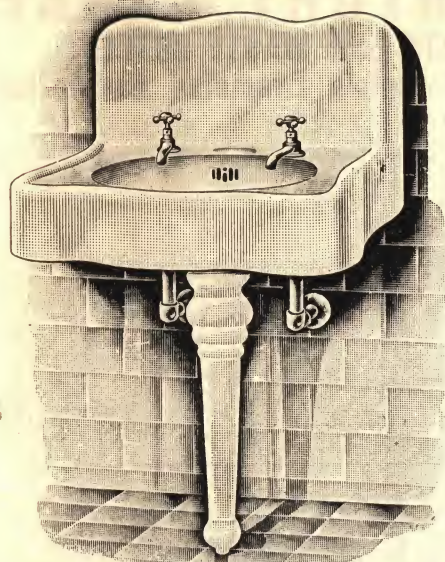
\$16.00

NOTE—If lavatory is wanted for iron pipe connection, add 75c to prices quoted.

LAVATORIES AND BATH FURNISHINGS

White Enameled with Enameled Leg

\$11.50



Genuine White Porcelain Enameled Cast Iron Lavatory. Ornamental design. Straight wall pattern, with deep apron and high back. Size of slab, 18x24 in. Height of back, 10 in. "D" Pattern bowl, 11x16½ in. Lavatory is equipped with ornamental cast iron, white porcelain enameled center leg, as shown in illustration, giving the fixture a substantial, handsome appearance. This lavatory makes a beautiful ornament in any bath room.

Lavatory is cast from the best quality soft gray iron, heavily coated with best quality enamel, applied by the very latest improved process, which insures a hard and fast contact between the enamel and the iron, and gives a smooth and even finished surface of deep white color. Enamel is absolutely guaranteed against chipping or cracking under ordinary use. Lavatory is furnished complete, with concealed wall hangers for attachment to wall, and necessary bolts for attaching center leg, as shown in illustration. Center leg is of heavy construction, ornamental design, and heavily coated with genuine white porcelain enamel from the floor up to match lavatory. Weight, crated for shipment, 150 lbs.

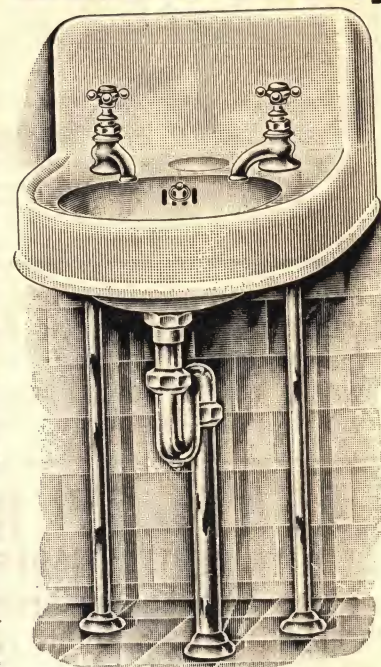
3CP56570—Lavatory, as described, without nickel plated trimmings. **\$11.50**

3CP56571—Lavatory complete, as shown in illustration, with semi-low down, heavily nickel plated, solid brass compression basin cocks, with white China indexed handles; nickel plated supply pipes; and nickel plated half "S" trap to wall, for lead pipe connection with wall flanges; nickel plated chain; and rubber stopper. Shipping weight, about, **\$15.90**

NOTE—If lavatory is wanted for iron pipe connection, add 75c to price quoted.

White Porcelain Enameled Lavatory

\$5.15



Genuine White Porcelain Enameled Cast Iron Lavatory. Size of slab, 16x19 in. Height of back, 8 in., with "D" pattern bowl, size 10½x14½ in. Lavatory has a 3-in. apron. This is one of the neatest and finest straight wall lavatories ever placed on the market. It is not a full, deep apron lavatory; neither is it a narrow apron lavatory. It is a medium between the two. Bottom of apron has a raised border, as shown in illustration. Lavatory has a liberal size bowl, but is very compact, and takes up very little space. A very artistic and serviceable fixture. Presents a beautiful appearance, and is an ornament to any bath room.

The fixture is cast from the best quality soft gray iron, heavily coated with genuine white porcelain enamel applied by the latest improved process, which insures a hard and fast contact between the enamel and the iron, and gives a smooth, evenly finished surface of full, deep white color. Enamel is guaranteed against cracking or chipping under ordinary use. Lavatory has recessed soap dish cast in bowl, as shown. Furnished complete, with concealed wall hangers for attaching to wall. Shipping weight, about 80 lbs.

3CP56550—Lavatory only, as described, without nickel plated **\$5.15**

3CP56550—Lavatory only, as shown in illustration. Has nickel plated long "S" trap and supply pipes to floor; nickel plated semi-low down compression basin cocks, with China indexed handles, nickel plated chain, and rubber stopper, fitted for lead pipe connection. Shipping weight, 90 lbs. **\$9.15**

NOTE—If lavatory is wanted for iron pipe connection, add 75c to price quoted.

It Does Not Require the Services of an Expert Plumber to Install One of These Fixtures

BATH TUB ENAMEL

These enamels produce a hard, lustrous surface, that will not chip or mar. One pint will give an ordinary bath tub two coats. Can be furnished in porcelain white, old ivory, wild rose and green. Just the thing for giving ivory white finish to outside of cast iron bath tubs. Sheet steel bath tubs should be painted inside and out with this enamel, at least once a year. If this is done they will last indefinitely. Can also be used for enameling iron beds, etc. Be sure to state color.

2A58160—Half pint cans. Each **28c**
2A58161—One pint cans. Each **48c**
2A58162—One quart cans. Each **85c**
 Be sure to state color wanted.

SHAMPOO SPRAY

One of the cleverest and most useful devices ever placed on the market. Can be attached to any bath faucet, as shown in illustration. Made in two parts, consisting of a perforated nickel plated brass shell, containing a rubber ball with hole in the center, which is slipped over spigot of bath cock.



A PERFECT NEEDLE SHOWER

50c

Shell is spun over rubber ball, making a ball and socket joint, so that water can be thrown in any direction, high or low. If you could once see this device in action, you would not be without it for a moment. It is a perfect bath shampoo spray and needle shower. Weight, 2 oz.

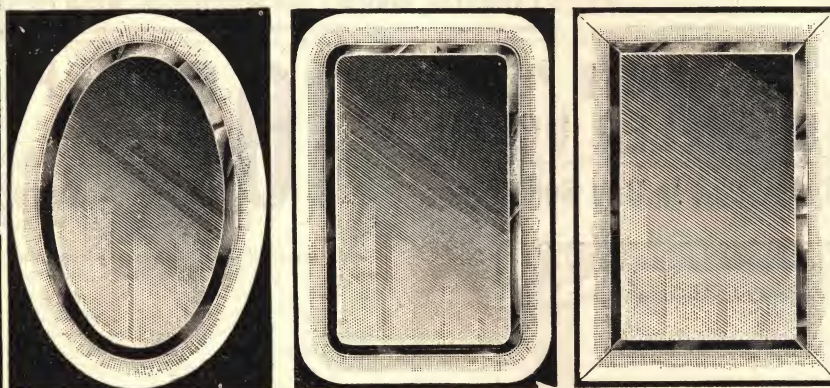
3C56503—Each **50c**
 Above price is for shampoo attachment only. Bath cock is not included.

RUBBER BATH SPONGES

Made of best sponge rubber. Just the thing for the bath room. A great invigorator for massage use.

Cat. No.	Size in.	Price
2851166	2½x3¼x1¼	35c
2851168	2½x4x1½	50c
2851170	3x4½x2	80c

French Plate Bath Room Mirrors



These Mirrors are designed especially for bath room use. The frames are finished with white enamel, deep white color, highly polished and hand rubbed. The mirrors are made of the very best polished beveled French plate glass. This is the only appropriate mirror for the bath room. Beautifully designed, clean and sanitary in appearance. No bath room should be without one.

Polished beveled French plate Bath Room Mirror. Hand-polished, white enameled frame. Oval pattern. Like illustration.

Size in.	Shpg. wt.	3C56333 Price beveled
10 x 17	20 lbs.	\$1.60
10 x 20	30 lbs.	1.90
14 x 24	40 lbs.	2.50

Polished beveled French plate Bath Room Mirror. Hand-polished, white enameled frame. Square pattern, with rounded corners. Like illustration. No sharp edges to chip, or corner joints to open up.

Size in.	Shpg. wt.	3C56402 Price beveled
10 x 17	25 lbs.	\$1.60
12 x 20	35 lbs.	1.90
14 x 24	45 lbs.	2.50

Polished beveled French plate Bath Room Mirror. Hand-polished, white enameled frame. Full square pattern. Like illustration.

Size in.	Shpg. wt.	3C56404 Price beveled
10 x 17	25 lbs.	\$1.40
12 x 20	35 lbs.	1.70
14 x 24	45 lbs.	2.20

FANCY BATH ROOM MAT, 50c



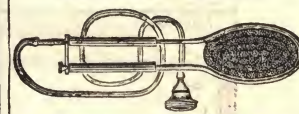
4Z56162—Turkish Terry Bath Rug or Mat. No bath room complete without one. Protects the bather from contact with wet or cold floor. Close woven and good, plain colored center with white floral border. Woven with thread loops in the same way as Turkish towels, but made of much better yarn, brighter and softer, and with more fullness or density; the color and white contrasting with good effect. The quality is improved this season. Colors, tan, light blue, pink, or light green. Mention size and color wanted. Size, 24x41 in. Weight, 14 oz. **50c**

BATH STOOL

3C56400— White enameled, highly finished, superior Quality Bath Stool, like illustration. Legs of stool are equipped with rubber tips, as shown. Can be used in the tub without injuring enamel. A very handy little stool. No bath room should be without one. Diameter, 3 in. Height, 15 in. Regular \$3.50 value. Weight, packed for shipment, 8 lb. **\$2.25**



SHOWER BATH AND MASSAGE BRUSH



2850392—A Detachable Flowing Bath and Frictional Shower Massage Brush. It cleanses, massages and showers. It is simple, sanitary and reliable. The brush has extra quality, white bristles, and can be detached from handle. Has 6 feet of rubber tubing. Shipping weight, 10 oz. **\$2.45**

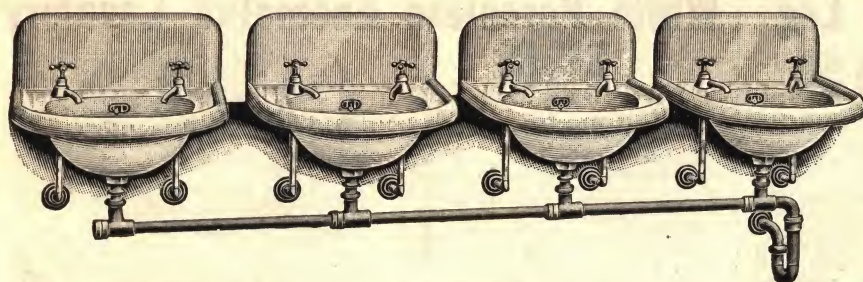
BATH BRUSHES

2850390—The Invigorator. Best large solid back bath brush, with 11 rows of long, white, genuine Russia bristles and curved handle. There is nothing better, even if you pay \$2.00. Weight, 10 oz. **87c**

2850376—Bath Brush. With straight handle. Solid hard wood back. Has 7 rows of white fiber. Weight, 6 oz. **17c**

2850376—Bath Brush. With straight handle. Solid hard wood back. Has 7 rows of white fiber. Weight, 6 oz. **17c**

LAVATORY COMBINATIONS FOR SCHOOLS OR FACTORIES



LAVATORY RANGE

WITH END WASTE OUTLET

White Porcelain Enameled Lavatories

3CF56530 Lavatory Range, consisting of any number desired, from two to ten, cast iron White Porcelain Enameled Lavatories, with all connections, as shown in illustration. Lavatories are similar to our No. 3CF56544, described on Page 15 of this book. "D" Pattern bowl with roll rim. Size of slab, 18x21 in. Height of back, 8 in. Size of bowl, 10x14 in.

Lavatories are furnished complete, with nickel plated supply pipes to wall, with nickel plated floor flanges; also nickel plated connecting waste pipe, with slip joint connections, by which all lavatories are connected to a common point at end of range, where connection is made to nickel plated half "S" trap to wall. All this waste connecting pipe is of heavily nickel plated brass tubing. Connections are of the slip joint type, so that the lavatories can be very easily connected up. This outfit makes one of the most practical, sanitary, and economical wash room outfits on the market, for school or factory installation.

Each lavatory is fitted with nickel plated compression basin cocks, with China indexed handles, nickel plated chain and rubber stopper, and heavy cast iron, concealed wall brackets. Price given below is for each lavatory. When ordering, be sure to state the number of lavatories wanted. In figuring the cost of your outfit, allow the price quoted below for each lavatory, and we will fill your order for the complete outfit, with all connections made up, according to the number you order. Weight of each lavatory, about 90 lbs. Shipped from our factory in Northern Illinois. Price, each (at factory) **\$7.55**

NOTE—If wanted for iron pipe connection, add 50c net after you have figured cost of complete outfit.

We can furnish these Lavatory Ranges with connections to either the floor or wall at the same price. In ordering be sure to state whether supply and waste connection is wanted to floor, or to wall, and we will fill the order accordingly.

LAVATORY RANGE

WITH CENTER WASTE OUTLET

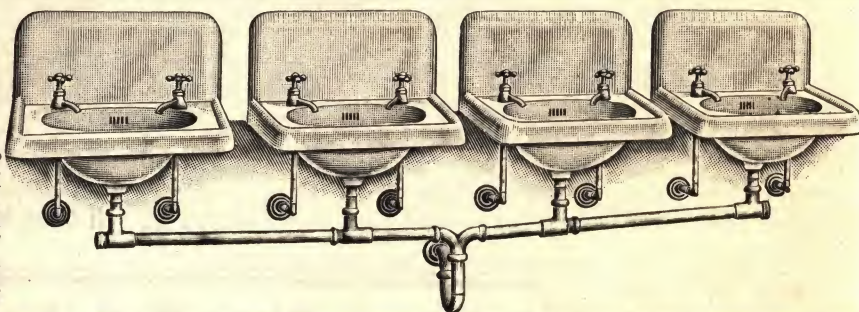
Large Slab Square Front Lavatories

3CF56531 Lavatory Range, consisting of any number desired, from two to ten, of our cast iron White Porcelain Enameled Lavatories, similar to our No. 3CF56548. Large slab, full square front type with roll rim and rounded corners. Outfit is furnished complete, with all nickel plated slip joint waste connections of heavy nickel plated tubing, connected for center discharge, as shown in illustration. Waste pipes discharge into heavy nickel plated half "S" trap for connection to wall, as shown.

Each lavatory is furnished complete, with heavily nickel plated compression basin cocks, and China indexed handles, nickel plated chain and rubber stopper, and nickel plated supply pipes to wall, with wall flanges. Lavatories are supported from wall by concealed wall hangers. Length of lavatory across back, 24 in. Width, from wall, 18 in. Height of back, 10 in. Size of bowl, 11x15 in.

When ordering, be sure to state number of lavatories wanted, and allow the price quoted below for each lavatory. Shipping weight of each lavatory, about 110 lbs. Shipped from our factory in Northern Illinois. Price, each (at factory) **\$9.40**

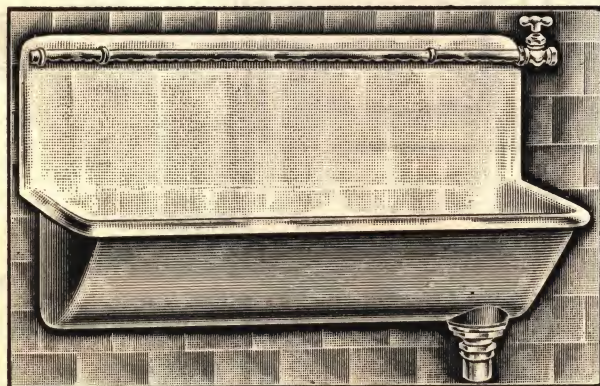
NOTE—If wanted for iron pipe connection, add 50c net after you have figured cost of complete outfit.



For Schools, Factories, etc., these Lavatory Ranges are the most serviceable, sanitary and economical wash room equipment you can install

\$7.35 CAST IRON WHITE PORCELAIN ENAMELED URINAL

Back and Bowl are Cast in One Solid Piece



3CF56534 White Porcelain Enameled Cast Iron Urinal, like illustration, cast in one piece, with roll rim back. No seams or crevices. Easily cleaned. Brass flush pipe, and key stop cock as shown. Fitted with "Beehive" brass strainer and waste outlet, and brass coupling and tail piece. Furnished in different lengths, as listed below:

Shipped from our factory in Northern Illinois.	
Size, 24 in. Shipping weight, 75 lbs. Price, complete as described.....	\$ 7.35
Size, 30 in. Shipping weight, 100 lbs. Price, complete as described.....	8.70
Size, 36 in. Shipping weight, 125 lbs. Price, complete as described.....	10.00
Size, 42 in. Shipping weight, 160 lbs. Price, complete as described.....	11.35
Size, 48 in. Shipping weight, 175 lbs. Price, complete as described.....	12.70
Size, 60 in. Shipping weight, 200 lbs. Price, complete as described.....	17.35
Size, 72 in. Shipping weight, 225 lbs. Price, complete as described.....	18.70

NOTE—We can furnish the above with connections, threaded for iron pipe, at an extra charge of 50c each.

\$10.95 FROST PROOF CLOSET

Automatic Action

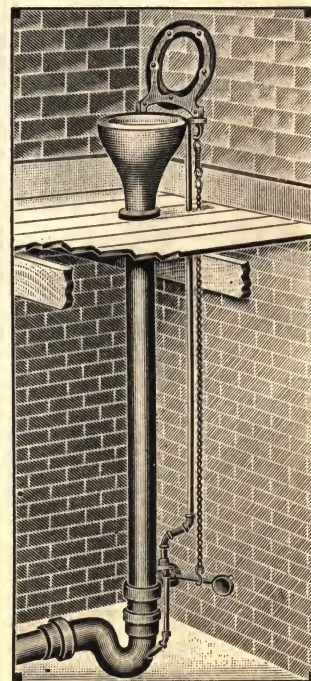
This is one of the best Frost-Proof Closet Combinations ever placed on the market. It is absolutely automatic, sure acting, of simple construction, and will not get out of order or give trouble. It is the only practical closet outfit for out of door installation, in unheated buildings, or any extremely cold or exposed places. No possible chance for it to freeze up.

The supply cock, or flushing valve, is operated automatically by the long weighted lever, as shown in illustration. This lever is connected to seat with heavy copper coated chain. When seat is lowered, flushing valve is opened and water is carried up through pipe, insuring a constant flushing of the bowl. When seat raises automatically, the valve is shut off and the water in the pipe drains back into the trap through the small connecting pipe, as shown. The flushing valve and trap are placed in a pit well below frost line. No closet tank is required.

Complete outfit consists of cast iron hopper closet bowl, heavily coated with genuine white porcelain enamel on inside, painted outside; one 5 ft. length of soil pipe; one soil pipe half "S" trap; combination lead and iron ferrule, for connecting hopper to soil pipe; automatic hinged seat, for attachment to bowl; and automatic valve mechanism, as shown.

Outfit is complete, ready for installation, when it reaches you. Calking lead, or okum for making soil pipe joints, is not included. Shipping weight, about 115 lbs. Shipped from our factory in Northern Illinois.

3CF56483 Frost-Proof Closet Combination. Price, complete, as described (Kansas City) **\$10.95**



HIGH TANK CLOSET COMBINATIONS

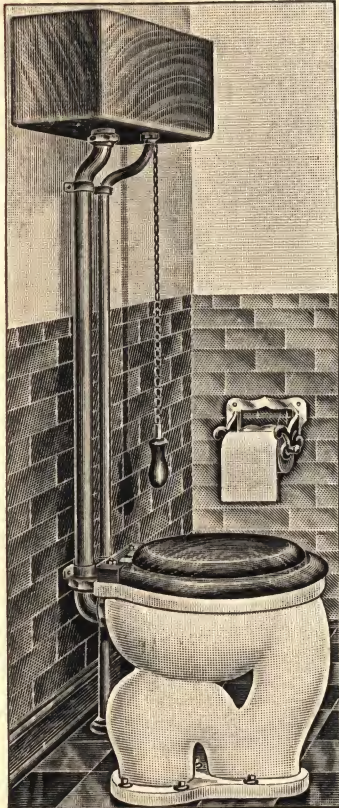
A HIGH GRADE PRODUCT

Our High Tank Closet Combinations, shown on this page, are fully guaranteed to be of the very highest quality in workmanship, finish and material. For all places where a closet outfit is liable to receive rough usage, as in hotels, public places, etc., the high tank type of closet will always be found most durable and serviceable. The high velocity of flow obtained in the water in flushing the closet, due to the elevated position of the tank, gives greater water pressure, and insures an absolutely positive flushing of the bowl. These outfits will last in constant service for many years without ever giving trouble. Tanks are equipped with the well known Goose Neck Syphon Flushing Valve, of heavy cast iron construction, and there are absolutely no delicate parts of any kind to get out of order. Ball cock is of the very latest and most improved type, as will be noted in the detail specifications given below. Tanks are also fitted with patented loose board wall attachment, which eliminates all brackets and holds the tank securely on the wall.

WE SAVE YOU MONEY

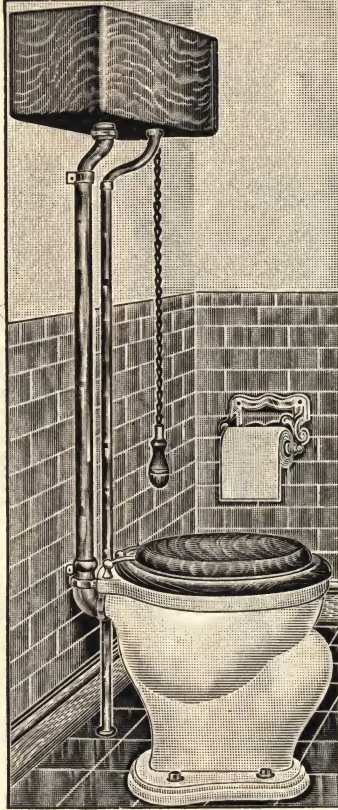
Do not allow the very low prices at which we are offering these modern closet combinations to lead you to believe that there is anything about them of inferior quality. We offer you these closet combinations with the absolute assurance that they will give satisfaction in every respect. Our very low prices cannot be duplicated elsewhere in the country. Remember, our enormous sales make it possible for us to sell these goods at a very small percentage over the actual manufacturing cost. This is where the big saving comes in. The middlemen's profits are eliminated, and we are able to give you a much better outfit at a price far below any price your local plumber could possibly make you on a high grade combination of this kind. It is not a difficult matter to install one of these closet combinations. We have explained briefly in the preceding pages of this book how the connections are made, but will cheerfully furnish full detailed instructions covering the entire installation of one of these outfits on request. Any ordinary mechanic can easily do the work. It does not require an experienced plumber.

\$1210 "VULCAN" HIGH TANK FRONT WASH-OUT CLOSET COMBINATION



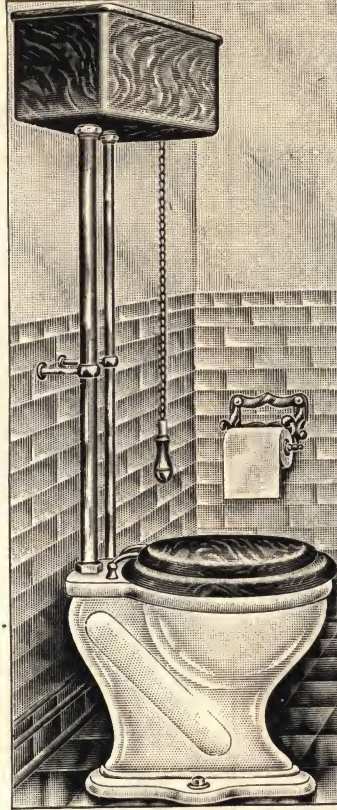
"Vulcan" Front Wash-out, High Tank Closet Combination, like illustration. Golden oak finished tank and seat, nickel plated trimmings. The bowl is one piece of solid vitreous earthenware, with hard glazed finish inside and out. Bowl is of the front wash-out type, pan pattern, with S-trap moulded integral with the bowl. Water enters rear of bowl at a very high velocity, giving a full, clean sweep flushing action, which makes this one of the most sanitary closet bowls on the market. Of very simple construction, guaranteed not to get out of order. Each bowl is carefully tested before shipment, and guaranteed to be in perfect working condition, free from flaws or defects of any kind, before leaving the factory. Tank is of golden oak, finely finished, with rounded corners. Equipped with the latest and most improved type goose neck flushing valve and compound lever ball cock, with adjustable corrugated float. Tank has capacity of 5½ gallons. Seat and cover are of golden oak, with nickel plated combination hinges, with oak extension piece for attaching bowl. Both seat and cover are well finished to match tank. Outfit is furnished complete with 1½ in. nickel plated flush pipe for connecting tank to bowl, with rubber elbow and nickel plated ¾ in. supply pipe to floor, with floor flange, as shown. Outfit is also furnished complete with nickel plated chain and handle pull, and nickel plated floor screws and washers, for fastening bowl to floor. (Toilet paper holder is not included.) Roughing-in measurement, 12 in. from wall to center of outlet. Shipping weight, 90 lbs. **3CP56470—Price, complete, as \$12.10 described.** Same as above, except that nickel plated supply pipe is omitted, and tank is fitted with top supply ball cock. Water supply connection is made through wall over top of tank, instead of at floor. Shipping weight, 90 lbs. Each. **\$11.35**
3CP56390—Toilet Paper Holder. Like illustration. Heavily nickel plated. For standard size paper, 4¾ in. size. Shipping weight, 12 oz. Each. **57c**

\$1255 "IDEAL" HIGH TANK SYPHON WASH-DOWN CLOSET COMBINATION



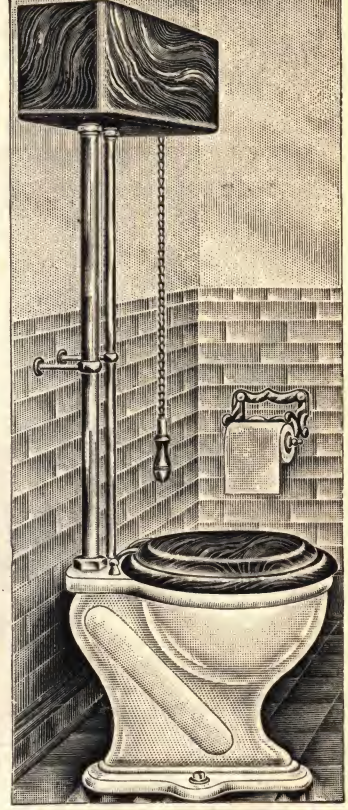
"Ideal" High Tank Syphon Wash-down Closet Combination, like illustration, best quality. Tank is of golden oak, finely finished, with rounded corners. Heavy copper lined. Equipped with latest type of goose neck flushing valve, with chain and lever pull, and compound lever ball cock of most modern type, with adjustable corrugated copper ball float. Ball cock is guaranteed to close against any water pressure. Entire mechanism of tank is absolutely guaranteed to work perfectly, and not get out of order. Tank has a capacity of 5½ gallons. Seat, ring and cover are of golden oak, very strongly constructed. Finely finished to match tank. Nickel plated extension post hinges, as shown. Closet bowl is of syphon washdown pattern, molded in one piece of vitreous earthenware, white glazed inside and out. This is a very popular type of bowl. Is fully guaranteed not to get out of order or give trouble. Every bowl is carefully tested and inspected before shipment. Guaranteed to be in perfect working order, and free from defects of any kind before leaving the factory. Outfit is fully guaranteed in every respect. (Toilet paper holder is not included.) Roughing-in measurement, 12 in. from wall to center of outlet. Shipping weight, 95 lbs. **3CP56475—Price, complete, as \$12.55 described.** Same as above, except that nickel plated supply pipe is omitted, and tank is fitted with top supply ball cock. Water supply connection is made through wall over top of tank, instead of at the floor. Shipping weight, 95 lbs. Each. **\$11.85**
3CP56390—Toilet Paper Holder. Like illustration. Heavily nickel plated. For standard size paper, 4¾ in. size. Shipping weight, 12 oz. Each. **57c**

\$1740 "ROYAL" HIGH TANK SYPHON JET CLOSET COMBINATION



"Royal" High Tank Syphon Jet Closet Combination. With golden oak tank and seat. One of the finest and most serviceable closet combinations on the market. Of very artistic design. Will not get out of order, or give trouble. Tank is full 8 gallons capacity. Heavy copper lined. Highly finished, with rounded corners. Fitted with latest type goose neck flushing valve, and compound lever ball cock, with adjustable corrugated copper ball float. Bowl is of syphon jet pattern. Heavy, massive construction. Elegant design and appearance. Molded in one solid piece, of best quality vitreous earthenware, white glazed inside and out. Seat and Cover are of golden oak, highly finished, to match tank. Nickel plated extension post hinges. Outfit is furnished complete with 1½ in. nickel plated flush pipe, and ¾ in. heavy nickel supply pipe, from tank to floor. Also nickel plated brackets for supporting pipes in extended position from wall, as shown in illustration. Outfit is also furnished with nickel plated chain and handle pull, and nickel plated floor screws, with washers for attaching bowl to floor. Quality of outfit is absolutely guaranteed. (Toilet paper holder is not included.) Roughing measurements. Shipping weight, 100 lbs. **3CP56473—Price, complete, as \$17.40 described.** Same as above, except that nickel plated supply pipe is omitted, and tank is fitted with top supply ball cock. Water supply connection is made through wall over top of tank instead of at floor. Shipping weight, 100 lbs. Each. **\$16.60**
3CP56390—Toilet Paper Holder. Like illustration. Heavily nickel plated. For standard size paper, 4¾ in. wide. Shipping weight, 12 oz. Each. **57c**

\$1925 "MONARCH" HIGH TANK MAHOGANY FINISH SYPHON JET CLOSET OUTFIT



"Monarch" Syphon Jet High Tank Closet Combination. Finest quality mahogany finish tank and seat. A beautifully designed outfit, suitable for the finest home. Absolutely guaranteed to give satisfaction. Will not get out of order. Tank is highly finished in birch mahogany, with rounded corners. Lined with heavy copper. Equipped with latest type goose neck syphon flushing valve, and compound lever ball cock, with adjustable copper float. Guaranteed to close against any pressure. Seat is finished in mahogany, to match tank. Fitted with heavy nickel plated extension post hinges, with rubber washers for attachment to bowl. Bowl is of heavy, massive construction, molded from one solid piece of the best quality vitreous earthenware, white glazed inside and out. It is of the syphon jet pattern, fully tested and inspected before shipment. Guaranteed free from imperfections of any kind before leaving our factory. Outfit is equipped with heavy nickel plated 1½ in. flush pipe, for connecting tank to bowl. Also heavily nickel plated, ¾ in. supply pipe, from tank to floor, together with the necessary extension pipe supports for supporting these pipes in extended position, as shown in illustration. Outfit is also equipped with nickel plated chain and handle pull, and nickel plated floor screws, with washers for attaching bowl to floor. Quality of outfit absolutely guaranteed. (Toilet paper holder is not included.) Shipping weight, 100 lbs. **3CP56447—Price, complete, as \$19.25 described.** Same as above, except that nickel plated supply pipe is omitted, and tank is fitted with top supply ball cock. Water supply connection is made through wall over top of tank, instead of at floor. Shipping weight, 100 lbs. Each. **\$18.45**
3CP56390—Toilet Paper Holder. Like illustration. Heavily nickel plated. For standard size paper, 4¾ in. wide. Shipping weight, 12 oz. Each. **57c**

LOW TANK CLOSET COMBINATIONS

ARTISTIC DESIGN

Our line of modern Low Tank Closet Combinations is complete. The quality of these goods is not to be compared to the cheaper grades of Low Tank Closet Combinations on the market at the present time. Do not allow the wonderfully low prices at which we are offering these outfits to give you the impression that they are of inferior quality. This product is absolutely guaranteed to measure up to the very highest standard in workmanship, finish and material. Considering the very high quality of the goods we are offering, we know that these prices cannot be duplicated elsewhere in the country.

Owing to our enormous sales of these outfits, we are able to sell them on a very close margin of profit. These prices are all figured at a very small percentage above the actual manufacturing cost. These outfits positively represent the very latest creation of the designers' art. They are of highly artistic and handsome appearance, and an ornament to any modern bath room.

Within the last few years these Low Tank Closet Combinations have attained an overwhelming popularity, and are being used in perhaps 90 per cent of the modern homes being built throughout the country at the present time.

NOISELESS OPERATION

One of the greatest advantages of the low tank type of closet outfit lies in its practically noiseless operation. The flushing mechanism is of very simple construction, and it has the additional advantage of being easy to get at. In case anything does happen to go wrong, it can easily be readjusted in a very few moments, by simply removing the lid cover on the tank. The flushing valve is operated by push button action, as shown in the illustration.

All parts are heavily nickel plated, giving the outfit a beautifully finished appearance. Each outfit is fitted complete with all trimmings above the floor, as shown. Every one of these closet combinations is carefully tested and inspected, guaranteed absolutely perfect and free from flaws or defects of any kind, before leaving the factory.

Why be without one of these high grade combinations in your home, when you can have such a modern outfit as this at such a very low price? It is not a difficult matter to install one of these modern closet outfits, not nearly as hard as most people imagine. If you will read the brief description and explanation of connections, etc., given in the introductory pages of this book, you will readily understand what a very simple matter it is. Any handy man can install one of these outfits without any trouble whatever. It does not require an expert plumber. Full detailed diagrams and instructions, showing just how the outfit should be installed, furnished with each combination on request.

"ROMAN" SYPHON WASH-DOWN CLOSET COMBINATION—GOLDEN OAK TANK AND SEAT



"ROMAN" Low Tank, Syphon, Washdown Closet Combination. Tank is of golden oak, highly finished, with rounded corners. Has 6½ gallon capacity. Is lined with heavy copper. Equipped with the latest and most improved type of flushing mechanism of very simple construction. Cannot get out of order. Flushing valve is of the rubber ball float type, push button action, of very simple construction. Ball cock is of compound lever pattern, guaranteed to close against any pressure, and fitted with adjustable corrugated copper ball float. This ball float can be adjusted so that exactly the right amount of water required to flush the closet will be admitted to the tank, eliminating waste of water, and insuring an absolutely positive flushing of the bowl.

Seat is finished in golden oak to match tank, and is equipped with heavily nickel plated extension post hinges, with rubber washers, etc., for attachment to bowl.

Bowl is of the latest type syphon wash-down pattern, molded in one solid piece of vitreous earthenware, white glazed inside and out.

Outfit is furnished with nickel plated, 2 in. flush elbow, for making connection between tank and bowl with nickel plated slip joint couplings and heavily nickel plated ¾ in. supply pipe from tank to floor, with nickel plated floor flange, as shown. Supply pipe is fitted for lead or iron pipe connection. Every outfit fully guaranteed. Shipping weight, 100 lbs.

3CP56450—"ROMAN" Syphon Washdown Closet Combination, as described. **\$12.75**
Each, complete

3CN56451—Same Outfit. With mahogany finished tank and seat. **13.15**
Each, complete

NOTE—Toilet paper holder is not included. See below.

3C56390—Toilet Paper Holder. Like illustration. Heavily nickel plated. For standard size paper, 4¾ in. wide. Wt., 12 oz. **.57**
Each

"GOTHIC" SYPHON JET CLOSET COMBINATION— GOLDEN OAK TANK AND SEAT



"GOTHIC" Syphon Jet Low Tank Closet Combination. A high grade closet outfit, guaranteed to give satisfaction. Tank is of golden oak, highly finished, with rounded corners. Lined with heavy copper. Fitted with our compound lever ball cock, with adjustable corrugated copper ball float and latest type of push button action rubber float flush valve. Very few parts. Cannot get out of order. Capacity of tank, 6½ gallons, insuring positive flushing of the bowl.

Seat and cover are of golden oak, finished to match tank. Heavy nickel plated extension post hinges, with rubber washers, etc., for attaching to bowl.

Bowl is of the very latest type of syphon jet pattern, guaranteed to be of the most efficient design ever placed on the market. Heavy, massive design and construction. Molded in one solid piece, of the best quality vitreous earthenware, white glazed inside and out.

Outfit is also furnished complete, with nickel plated offset elbow, with nickel plated slip joint couplings for making connection between tank and bowl, and nickel plated supply pipe to floor with floor flange. Also with necessary nickel plated floor screws and washers for fastening bowl to floor. Supply pipe is fitted for lead or iron pipe connection.

This is one of the highest grade combinations ever placed on the market. Outfit weighed, crated for shipment, approximately 120 lbs.

3CP56455—"GOTHIC" Syphon Jet Low Tank Closet Combination, as described. **\$15.65**
Each, complete

3CP56456—Same Outfit. With mahogany finish tank and seat. **16.15**
Each, complete

NOTE—Toilet paper holder is not included. See below.

3C56390—Toilet Paper Holder. Like illustration, for standard size paper, 4¾ in. wide, heavily nickel plated. Weight, 12 oz. **.57**
Each

"IONIC" SYPHON JET CLOSET COMBINATION GENUINE MAHOGANY TANK AND SEAT



"IONIC" Genuine Mahogany, Low Tank, Syphon Jet Closet Combination. One of the most beautifully designed closet combinations ever placed on the market. This is an outfit which might well be specified for the finest mansion in the country.

Tank is of genuine mahogany, highly finished, with rounded corners. Lined with heavy copper. Equipped with our latest type of rubber ball float flushing valve, with nickel plated push button action, and compound lever ball cock with adjustable corrugated copper ball float. Very few working parts. Cannot get out of order.

Seat and cover are of genuine mahogany, finished to match tank, and highly polished. Fitted with the latest type of heavily nickel plated extension post hinges, with rubber washers, etc., for attachment to bowl.

Bowl is of the very latest pattern syphon jet type, of heavy massive construction, artistic in design and appearance. Molded in one solid piece, of the very best quality of vitreous earthenware. White glazed inside and out. This bowl is absolutely guaranteed positive in its flushing action.

Outfit is also equipped complete with nickel plated offset flush elbow, with nickel plated slip joint coupling connections in connecting tank to bowl. Heavily nickel plated, ¾ in. supply pipe, from tank to floor. Nickel plated floor flange, and nickel plated floor screws and washers for attaching bowl to floor. Supply pipe is fitted for lead or iron pipe connection. Entire outfit is carefully tested and inspected before shipment, and absolutely guaranteed in perfect working order, and free from flaws or defects of any kind, before leaving the factory. Outfit weighs, crated for shipment, approximately 120 lbs.

3CP56459—"IONIC" Syphon Jet Low Tank Closet Combination. Genuine mahogany finish. Tank and seat, complete as described. **\$23.25**

NOTE—Toilet paper holder is not included. See below.

3C56390—Toilet Paper Holder. Like illustration. For standard size paper, 4¾ in. wide, heavily nickel plated. Weight, 12 oz. **.57**
Each

MODERN CLOSET COMBINATIONS

"ATHENIAN" SYPHON WASHDOWN CLOSET COMBINATION \$16.40

3CP56462 Syphon Wash-down Combination, with White Enameled Iron Tank. A very popular outfit. Guaranteed to give satisfaction.

Tank is of heavy construction, cast iron, genuine white porcelain enameled, inside and outside, with ornamental lid, as shown in illustration. This tank is practically indestructible. Cast in one solid piece of the best quality soft gray iron; heavily coated with genuine white porcelain enamel; smooth ivory finish of the full, deep white color; free from flaws or defects of any kind.

Tank is equipped with the latest and simplest type of flushing mechanism, including compound lever ball cock, with adjustable corrugated copper ball float; and rubber float flushing valve, operated by China lever in upper corner of tank, as shown in illustration. Very few working parts, and will not get out of order. Tank cannot be affected by water of alkaline or mineral composition, and in localities where water is of such a nature that it eats away the copper lining of the ordinary copper lined tank, a tank of this kind is an absolute necessity. Beautiful and artistic in design. Perfectly sanitary. No seams; cannot develop leaks. This tank will last a lifetime.

Bowl is of heavy construction, syphon wash-down pattern; molded from one solid piece of vitreous earthenware; white glazed inside and out; fully tested, and guaranteed perfect and free from all defects. Guaranteed absolutely positive in flushing action. A very simply designed bowl. Will not get out of order, or give trouble. Of very latest and most modern design. Sanitary in every respect.

Bowl is equipped with mahogany finished seat and cover, finely finished. Fitted with nickel plated extension post hinges with rubber washers, etc., for attachment to bowl.

Outfit is also equipped with nickel plated slip joint elbow, flush connection, for connecting tank to bowl; and nickel plated supply pipe to floor, with floor flange for lead or iron pipe connection; and nickel plated screws and washers, for fastening bowl to floor.

Every outfit fully tested and guaranteed perfect before leaving factory. Shipping weight, approximately, 135 lbs.

Syphon Wash-down Closet Combination, as described. With enameled iron tank, for lead or iron pipe connection. \$16.40

Each.....

NOTE—Toilet paper holder is not included. See below.

3C56390—Toilet Paper Holder. Like illustration. For standard size paper, 4% in. wide. Heavily nickel plated. Weight, 12 oz. \$1.57

Each.....

"SPARTAN" SYPHON WASHDOWN CLOSET COMBINATION \$16.80

3CP56460 Syphon Washdown Combination, with solid white China tank. A beautifully designed combination, guaranteed to give satisfaction.

Tank is of heavy, massive construction, molded in one solid piece best quality vitreous China; smooth, white glazed on outside, with heavy box-shaped lid of same material. One of the most elegant closet tanks ever designed. Tank is of such heavy construction that it is practically indestructible. It is fitted with the very latest and simplest flushing mechanism, including compound lever ball cock, with adjustable corrugated copper ball float and rubber float valve, operated by white China lever in upper corner of tank, as shown in illustration. Very few working parts; cannot get out of order. Tank is absolutely impervious to attack from water of alkaline or mineral composition. A tank of this kind is a necessity in all localities where water of this nature is prevalent, and copper-lined tanks cannot be used. Tank can always be kept spotlessly clean and sanitary, and is an ornament to any bath room.

Bowl is of heavy construction, syphon wash-down pattern, molded from one solid piece of vitreous earthenware. It is white glazed inside and out, fully tested, and guaranteed perfect and free from all defects. Guaranteed absolutely positive in flushing action. A very simply designed bowl will not get out of order or give trouble. Outfit is of very latest and most modern design and sanitary in every respect.

Bowl is equipped with mahogany finish seat and cover, finely finished, fitted with nickel plated extension post hinges with rubber washers, etc., for attachment to bowl.

Outfit is also equipped with nickel plated slip joint elbow flush connection, for connecting tank to bowl; and nickel plated supply pipe to floor, with floor flange for lead or iron pipe connection; and nickel plated screws and washers, for fastening bowl to floor.

Every outfit fully tested and guaranteed perfect before leaving factory. Shipping weight, approximately, 120 lbs.

Syphon Wash-down Closet Combination, with China tank, as described. \$16.80

Each.....

NOTE—Toilet paper holder is not included. See below.

3C56390—Toilet Paper Holder. Like illustration. For standard size paper, 4% in. wide. Heavily nickel plated. Weight, 12 oz. \$1.57

Each.....



"CORINTHIAN" SYPHON JET CLOSET \$18.95 COMBINATION

3CP56463 Genuine Syphon Jet Combination. With ivory white enameled iron tank. One of the most modern closet combinations ever placed on the market.

Tank is of heavy construction cast iron; genuine white porcelain enameled (inside and outside), with ornamental lid, as shown in illustration. This tank is practically indestructible. Cast in one solid piece of the best quality soft gray iron; heavily coated with genuine white porcelain enamel; smooth, ivory finish, of the full deep white color; free from flaws or defects of any kind.

Tank is equipped with the latest and simplest type of flushing mechanism, including compound lever ball cock, with adjustable corrugated copper ball float; and rubber float flushing valve, operated by China lever in upper corner of tank, as shown in illustration. Very few working parts, and will not get out of order. Tank is not affected by water of alkaline or mineral composition, and in localities where water is of such nature that it eats away the copper lining of the ordinary copper-lined tank, a tank of this kind is an absolute necessity. Beautiful and artistic in design; sanitary appearance. No seams; cannot develop leaks. This tank will last a lifetime.

The Syphon Jet Closet Bowl, furnished with the outfit, is the very latest type syphon jet bowl. Very heavy and massive design; artistic and graceful in appearance. One of the highest grade and most efficient closet bowls on the market at the present time. Molded in one solid piece, from the best quality vitreous earthenware; smooth white glazed inside and out. The syphonic flushing action, with jet spray, insures an absolutely positive flushing of the bowl. No chance of stopping up or getting out of order.

Seat furnished with this outfit is of strong, substantial construction; mahogany finish; highly polished; with nickel plated extension post hinges.

Outfit is also equipped with nickel plated offset flush connection, for connecting tank to bowl; with slip joint coupling connection; and nickel plated supply pipe from tank to floor; with nickel plated floor flange for lead or iron pipe connection; also necessary nickel plated floor screws and washers, for connecting bowl to floor.

Every outfit carefully inspected, fully tested, and guaranteed in perfect working order. Free from any imperfections of any kind before leaving factory. Shipping weight, 140 lbs.

Genuine Syphon Jet Low Tank Closet Combination, with white enameled iron tank, as described. \$18.95

Each.....

NOTE—Toilet paper holder is not included. See below.

3C56390—Toilet Paper Holder. Like illustration. For standard size paper, 4% in. wide. Heavily nickel plated. Weight, 12 oz. \$1.57

Each.....

"TROJAN" SYPHON JET CLOSET \$19.35 COMBINATION

3CP56461 Genuine Syphon Jet Low Tank Closet Combination. With white vitreous China tank. A strictly modern closet combination, stylish, sanitary and durable.

The tank furnished with this outfit is of heavy, massive construction, molded in one solid piece of best quality vitreous China. It is smooth, white glazed on outside, with heavy box shaped lid of same material. One of the most elegant closet tanks ever designed. Tank is of such heavy construction that it is practically indestructible. Tank is fitted with the very latest and simplest flushing mechanism, including compound lever ball cock, with adjustable corrugated copper ball float and rubber float valve, operated by white China lever in upper corner of tank, as shown in illustration. Very few working parts; cannot get out of order. Tank is absolutely impervious to attack from water of alkaline or mineral composition. A tank of this kind is a necessity in all localities where the water is of such nature that copper-lined tanks cannot be used. Tank can always be kept spotlessly clean and sanitary, and is an ornament to any bath room.

The Closet Bowl furnished with this outfit is the very latest type of syphon jet bowl. Very heavy and massive design, artistic and graceful in appearance. One of the highest grade and most efficient closet bowls on the market at the present time. Molded in one solid piece, from the best quality vitreous earthenware; smooth white glazed inside and out. The syphonic flushing action, with jet spray, insures an absolutely positive flushing of the bowl, there being no chance of stopping up or getting out of order.

Seat furnished with this outfit is of strong, substantial construction, mahogany finished, highly polished, with nickel plated extension post hinges.

Outfit is also equipped with nickel plated offset flush connection, for connecting tank to bowl; with slip joint coupling connection; nickel plated supply pipe from tank to floor; with nickel plated floor flange, for lead or iron pipe connection; also necessary nickel plated floor screws and washers, for connecting bowl to floor.

Every outfit is fully tested and inspected at factory before shipment, and guaranteed to be in perfect working order, free from flaws or defects of any kind. Shipping weight, 130 lbs.

Genuine Syphon Jet Closet Combination, with low vitreous China tank, as described. \$19.35

Each.....

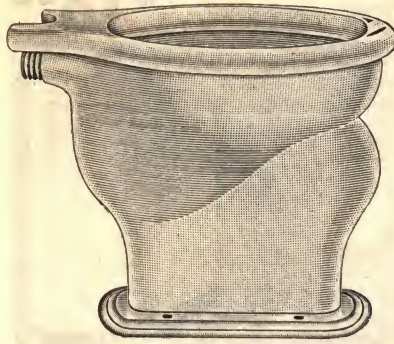
NOTE—Toilet paper holder is not included. See below.

3C56390—Toilet Paper Holder. Like illustration. For standard size paper, 4% in. wide. Heavily nickel plated. Weight, 12 oz. \$1.57

Each.....

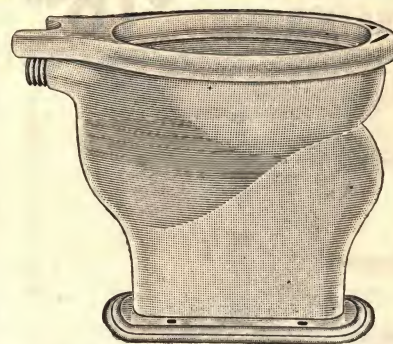


Closet Bowls, Tanks and Seats



For High Tank Closet

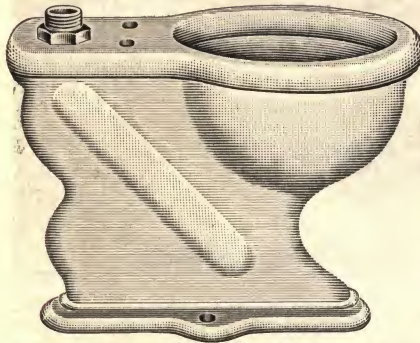
Vitreous Earthenware Syphon Wash-down Closet Bowl. For high tank closet. Fitted with 1 1/4 in. brass spud. Fully tested, and guaranteed perfect. This bowl is for use in connection with high tank. Cannot be used for low tank outfit. Be sure to see that the flush pipe on your closet tank measures 1 1/4 in. before ordering this bowl. If it measures 1 1/2 in., this bowl cannot be used. In this case, our Syphon Jet Bowl, with 1 1/2 in. spud, listed below, is the proper bowl to order. Be sure to make no mistake in ordering. Price quoted includes bowl with spud attached, complete, with floor screws and washers. Shipping weight, 50 lbs. **3CP56474—Each..... \$4.95**



For Low Tank Closet

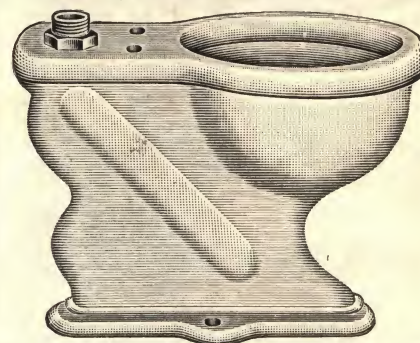
Vitreous Earthenware Syphon Wash-down Closet Bowl. For low tank closet. Fitted with 2 in. brass spud. Each bowl fully tested and guaranteed. Price quoted below is for bowl with spud attached, complete with nickel plated floor screws and washers. Shipping weight, 50 lbs. **3CP56457—Each..... \$5.10**

Write for Our Special Heating Catalogue
"Modern Home Heating"
SENT FREE ON REQUEST



For High Tank Closet

Vitreous Earthenware Syphon Jet Closet Bowl. Fitted with 1 1/2 in. spud, for high tank closet outfit. Cannot be used on a low tank outfit. Be sure to measure the flush pipe of your closet and see that it measures 1 1/2 in. before ordering. If it measures 1 1/4 in., order Syphon Wash-down Bowl listed above. Bowl is fully tested and guaranteed. This bowl is without any question one of the very highest grade closet bowls on the market. Price quoted below is for bowl with spud attached, complete, with nickel plated couplings and floor screws. Shipping weight, 60 lbs. **3CP56476—Each..... \$8.40**



For Low Tank Closet

Vitreous Earthenware Syphon Jet Closet Bowl. For low tank closet outfit. Fitted with 2 in. spud. This bowl is of the very highest quality, fully tested and guaranteed. For low tank outfits only. Cannot be used with high tank. Price quoted below is for bowl with spud attached, complete, with nickel plated couplings and floor screws. Shipping weight 60 lbs. **3CP56458—Each..... \$8.50**

Compound Ball Cocks



SURE CLOSING
ADJUSTABLE

Compound Ball Cocks. Guaranteed to close tight against pressure. Constructed on compound lever principle. Made of heavy brass, with adjustable corrugated copper ball float. A strong and substantially made ball cock, that will not get out of order or give trouble. Easily installed. Furnished for either top or bottom supply. If the supply pipe on your closet tank is connected at the bottom of the tank, you will need the bottom supply ball cock. If the supply pipe comes in over the top of the tank, you will need the top supply ball cock. Be sure to make no mistake in ordering. Shipping weight, 1 1/4 lbs.

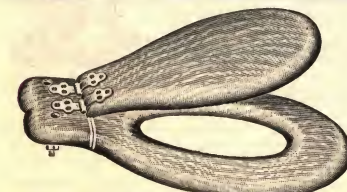
3CP56485—Top Supply..... 95c
3CP56486—Bottom Supply..... 95c
Each.

Closet Seats

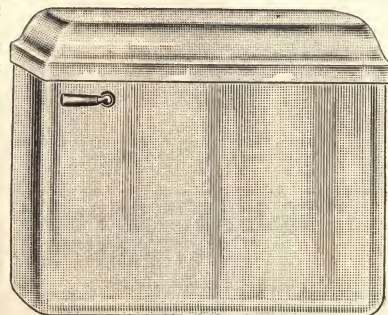


Solid Oak or Mahogany Finish seat and Cover. Ring pattern, with highly nickel plated brass extension post hinges. Of very latest cut and design. Very strongly made. Furnished complete, with rubber washers, etc., for attaching to bowl. Weight, 14 lbs.

3CP56487—Closet Seat. Golden oak finish. Each..... \$1.80
3CP56488—Closet Seat. Mahogany finish. Each..... 2.05



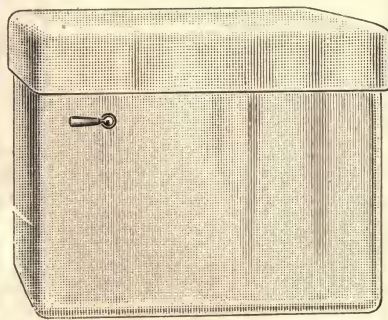
Oak Closet Seat and Cover, with combination nickel plated hinge, like illustration. Strong and durable construction. Well finished and fully guaranteed. Shipping weight, 14 lbs. **3CP56489—Golden Oak Finish. Each..... \$1.50**



White Porcelain Enameled Tanks

Heavy Cast Iron White Porcelain Enameled Closet Tank. For low tank closets, like illustration. This tank is without any question one of the finest, most sanitary and durable closet tanks on the market at the present time. Artistic and elegant design. Will improve the appearance of your bath room 50 per cent. The ivory white finish makes it a very simple matter to keep the tank spotlessly clean. As the tank is made in one solid heavy casting, it is absolutely impossible for leaks to develop. Tank is fully 1/4 in. thick, with removable cast iron top, as shown. Tank is fitted with our compound ball cock, operated by white China handle lever in upper corner, and will not get out of order. Furnished complete with nickel plated supply pipe to floor, nickel plated flush elbow and couplings and nickel plated floor flange for supply pipe. Tank is fully guaranteed. For use on low tank closets only. Cannot be used on high tank outfits. Shipping weight, 110 lbs. **3CP56464—Each..... \$10.00**

shown. Working parts are absolutely dependable and nished complete with nickel plated supply pipe to floor, nickel plated flush elbow and couplings and nickel plated floor flange for supply pipe. Tank is fully guaranteed. For use on low tank closets only. Cannot be used on high tank outfits. Shipping weight, 110 lbs. **3CP56464—Each..... \$10.00**



Solid White China Tank

One of the most elegant Closet Tanks ever placed on the market. For low tank closets. A very artistic design. Smooth, ivory white finish. Heavy and massive in appearance. Molded in one solid piece, with rounded box shape lid, all made of the very best white China. This tank is fitted with the same ball cock as our 3CP56464 tank, described above. This tank will add wonderfully to the attractiveness and cleanliness of your bath room, as it can always be kept spotlessly white. It has one advantage over our enameled iron tank inasmuch as it has that pure, deep white color, which is so noticeable in a solid China fixture. Owing to the very heavy construction, it is durable, and with ordinary care will last a life time. Fully guaranteed free from flaws or imperfections of any kind. Tank is furnished complete with nickel plated flush elbow and couplings and nickel plated supply pipe with nickel plated floor flange. Solid white China tank, complete. Weight, crated for shipment, 80 lbs. **3CP56465—Each..... \$9.65**

Automatic Hopper Closet Bowl



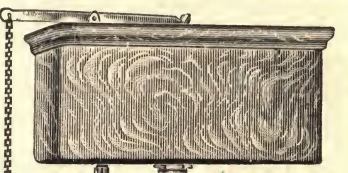
Automatic, Cast Iron, White Enameled Hopper Closet Bowl. This bowl is fitted with patent valve, connected to seat so that it flushes automatically when the seat is raised or lowered. A good, serviceable outfit, for use in basements and outside places. Requires no tank. Shipping weight, 50 lbs. **3CP56480—Each..... \$5.25**

"Philadelphia" Hopper Closet Bowl



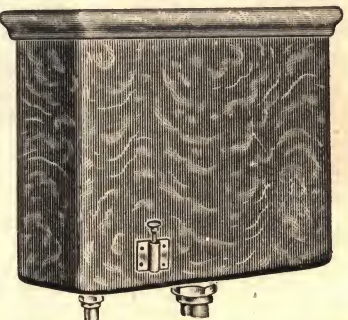
3CP56484—Cast iron. White enameled inside. Painted outside. Connects directly to 1/2 inch water pipe for flushing. No tank required. For use in basements and outside places, where there is liability of freezing. Shipping weight, 20 lbs. Each..... \$1.50

High Closet Tanks



High Closet Tank. Oak or mahogany finish. Has 1/2 or 1 1/4 in. flush pipe connection. Top or bottom supply. In ordering, be sure to state whether 1/2 or 1 1/4 in. flush connection is wanted. Also state whether for top or bottom supply. Equipped with goose neck syphon flushing valve. Each tank furnished complete with chain, pull and handle, lined with heavy copper, well finished and fully guaranteed. Nickel plated flush or supply pipes not included. Capacity..... 5 1/2 gal. 8 gal. Shipping weight..... 30 lbs. 36 lbs. **3CP56478—Solid Oak..... \$3.80 \$4.45**
3CP56479—Mahogany finish..... 4.20 4.95
Each.

Low Closet Tanks



Solid Oak or Mahogany Finish, Low Down Closet Tank. Well finished. Six gallons capacity. Tank is lined with heavy copper. Fitted with our special compound lever ball cock, as illustrated and described on this page. Flushing mechanism is of the very simplest type ball float valve, push button action. Cannot get out of order. Tank is furnished complete, with nickel plated supply pipe to floor, with nickel plated floor flange and nickel plated elbow or offset, with slip joint couplings. In ordering, be sure to state whether plain elbow is wanted, or offset elbow. If connection is made to top of bowl, you will require offset elbow. If connection is made to back of bowl, you will require plain elbow. Every tank guaranteed. Shipping weight, 50 lbs. **3CP56467—Golden Oak Finish. Each..... \$5.95**
3CP56468—Mahogany Finish. Each..... 6.30

HIGH GRADE ENAMELED SINKS

KITCHEN SINK AND FORCE PUMP COMBINATION

This outfit is designed especially for use in connection with attic storage tank water supply systems. It is one of the finest sink and pump combinations of its kind on the market.



\$7.75

The Pump furnished with this outfit is our No. 3CP55915, Kitchen Force Pump. This pump will draw water from your cistern or well, and force it up into storage tank in your attic with very little exertion in pumping. The special design of this pump with the long, rocking fulcrum, makes it a very easy working pump. Pump is tapped for 1 1/4-inch suction pipe and 1-inch discharge.

The Sink is one of our No. 3CP56660 cast iron White Porcelain Enameled Kitchen Sinks, with flat rim. Outfit includes one special patented steel sink frame, with brackets attached, and wooden end piece for pump support, as shown in illustration. This makes a very substantial frame and support for the sink, so that it can be rigidly fastened to the wall with little labor. Shipping weight, 90 lbs.

3CP56745—Complete, with 18x30 in. Sink. \$7.75

Each.....

3CP56746—Complete with 18x36 in. Sink. 8.10

Each.....

3CP56876—1 1/2 in. long lead "S" Trap, with 1 1/2 in. iron pipe thread, for above Sink. Shipping weight, 6 lbs. Each..... 1.60

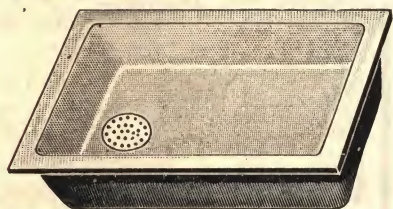
3CP56742—For Steel Frame and Brackets only, without Sink or Pump. For 18x30 in. Sink. 77c

Each.....

Steel Frame and Brackets as above. 80c

For 18x36 in. Sink. Each.....

FLAT RIM STEEL SINKS



Flat Rim Pressed Steel Sinks. These sinks are pressed from one solid piece of sheet steel. Are furnished in three different styles—enameled, galvanized and painted. Each sink is fitted with plain brass strainer, bolts and trap collar, for either 1 1/4 in. or 1 1/2 in. lead pipe, of 1 1/2 in. iron pipe connection.

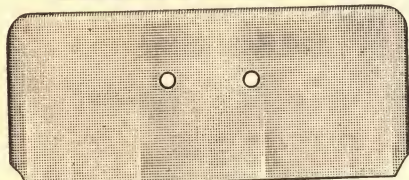
Prices given below do not include trap:

Size in.	Wt. lbs.	3CP56674 Painted Ea.	3CP56675 Galvanized Ea.	3CP56676 White Enamel Ea.
16 x 24	9	\$1.40	\$1.65	\$3.00
18 x 30	14	1.70	1.92	3.65
18 x 36	16	1.95	2.05	4.15
20 x 30	15	2.05	2.25	4.05
20 x 36	18	2.25	2.55	4.50
20 x 40	19	2.60	2.60	5.00

3CP56876—1 1/2 in. long lead "S" Trap, for above sink, for 1 1/2 in. iron pipe connection. Shipping weight, 6 lbs. Each..... \$1.60

3CP56686—Combination Rubber Plug Strainer. For dish washing. To fit above sink. Each..... 25c

CAST IRON AND WROUGHT STEEL ENAMELED SINK BACKS



3CP56664—Cast Iron White Porcelain Enameled Sink Backs. Height, 12 in. For use with our cast iron flat rim sinks. Back has holes for two faucets, and heavy roll rim.

Length, in.	24	30	36	40
Weight, lbs.	26	30	45	54

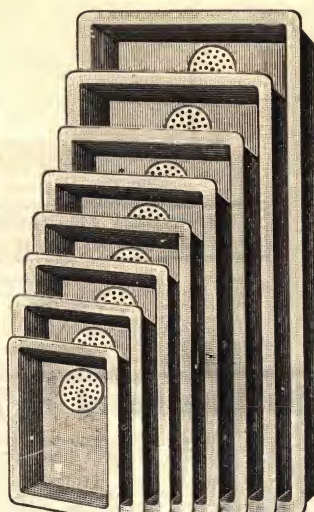
Each..... \$1.75 \$2.05 \$2.60 \$2.85

3CP56680—Roll Rim, Wrought Steel, White Enameled Sink Backs. Height, 16 in. Have two openings for faucets. For use with our steel sinks.

Length, in.	24	30	36	40
Weight, crated, lbs.	22	24	25	28

Each..... \$1.05 \$1.95 \$2.30 \$2.75

PORCELAIN ENAMELED SINKS



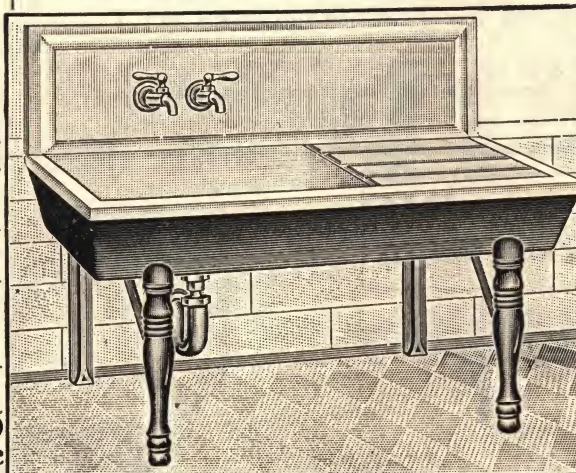
3CP56660—Genuine White Porcelain Enameled Cast Iron Flat Rim Kitchen Sinks. These sinks are guaranteed to be of the very best grade on the market, perfect and free from flaws or defects in either casting or enamel. The porcelain enamel is applied by special perfected process, which absolutely insures a perfectly smooth, hard-set enamel surface, which cannot be separated from the iron. The enamel is heavily applied, and with a reasonable amount of care these sinks will last a lifetime without chipping or cracking. Sinks are painted on the outside, furnished complete with strainer, bolts and coupling, for connection to 1 1/4 in. or 1 1/2 in. lead trap. They can be mounted on cast iron brackets, or set in wooden frame work, with drain board at one end or both ends, as preferred. When trimmed up in this way with one of our cast iron roll rim sink backs, shown on this page, it makes a fine appearing sink, and is just as serviceable as any of the much higher priced sinks on the market. See traps for these sinks, listed

our special iron pipe connections and iron on Page 29.

Size in.	Shpg. wt. lbs.	Enameled
18 x 30 x 8	70	\$2.70
20 x 30 x 6	60	3.40
18 x 36 x 6	50	3.10
20 x 36 x 6	50	3.85
20 x 40 x 6	40	4.30

3CP56876—1 1/2 in. long lead "S" Trap, for above Sink, for 1 1/2 in. iron pipe connection. Shipping weight, 6 lbs. Each..... \$1.60

STONEWARE SINKS WITH MOSAIC DRAIN BOARD. \$8.25



Stoneware Kitchen Sink. One of the most serviceable and durable sinks ever placed on the market. Guaranteed for ten years. Will last indefinitely. The body of the sink is molded in one solid piece of granite stoneware, without seams, and with mosaic drain board extension at end, and mosaic back, as shown. Edges are reinforced with metallic rim, and under all ordinary usage the sink is practically indestructible. Guaranteed against leakage for ten years. Sink is mounted on heavy ornamental cast iron legs of proper height, and fitted with brass strainer and trap collar. We also include with this sink two nickel plated 1/2 in. Puller flange faucets, for iron pipe connection. (Sink trap is not included.) We furnish this sink in two styles—plain slate finish, and the white enamel finish. The enamel finish sink is finished in a smooth coat of white enamel inside, with mosaic drain board and back, making a beautiful and elegant looking fixture of clean and sanitary appearance. On slate color sink drain board only is mosaic. Back is of same material as sink. Both styles are listed below. Sink will be shipped from factory in Northern Illinois.

Size of Sink In.	Size of Drain Board In.	TOTAL Length In.	Shipping Weight Lbs.	3CP56685 White Enamel Finish Price Each	3CP56684 Slate Color Finish Price Each
18x30	18x20	50	300	\$13.25	\$ 8.25
20x36	20x20	56	350	15.50	8.50
20x40	20x24	64	400	slate only	11.00

3CP56876—1 1/2 in. long "S" Trap, for above sink, fitted for 1 1/2 in. iron pipe connection. Shipping weight, 6 lbs. Each..... \$1.60

COMBINATION SINK AND PITCHER SPOUT PUMP

For use in all cases where it is not desired to force water to elevated tank. Water is pumped as wanted. A fine, serviceable outfit, guaranteed to give satisfaction.



\$4.90

The Pump furnished with this outfit is one of our No. 3CP55910 Pitcher-spout Pumps, with 3 in. cylinder bore. Weight, 23 1/2 pounds. Fitted for 1 1/4 in. iron pipe connection.

The Sink is one of our No. 3CP56660 cast iron white porcelain enameled kitchen sinks, with flat rim, with a cast iron sink trap No. 3CP56688 threaded for 1 1/2 in. iron pipe. Outfit includes one special patented steel sink frame, with brackets attached, and wooden end piece for pump support, as shown in illustration. This makes a very substantial frame and support for the sink, so that it can be rigidly fastened to the wall. Shipping weight, 90 lbs.

3CP56740—Complete, with 18x30 in. Sink. \$4.90

Each.....

3CP56741—Complete, with 18x36 in. Sink. 5.70

Each.....

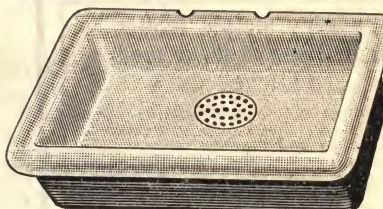
3CP56742—For Steel Frame and Brackets only, without Sink or Pump, for 18x30 in. Sink. 77c

Each.....

For 18x36 in. Sink. 80c

Each.....

ROLL RIM STEEL SINK



Roll Rim Steel Sinks. Pressed from one solid piece of sheet steel. This sink is intended to be mounted on brackets for open plumbing. No wooden frame work required. We furnish these sinks in three different styles—enameled, galvanized and painted.

Prices below are for sinks only, with plain brass strainer, bolts and trap coupling, for 1 1/4 in. or 1 1/2 in. lead pipe, or 1 1/2 in. iron pipe. Trap or brackets are not included. For price of brackets, see below:

Size In.	Weight Lbs.	3CP56677 Painted Each	3CP56678 Galvanized Each	3CP56679 Enamel Each
16x24	9	\$1.45	\$1.65	\$3.05
18x30	14	1.70	2.05	3.10
18x36	16	2.10	2.45	4.20
20x30	15	2.05	2.35	4.15
20x36	18	2.35	2.75	4.65
20x40	19	2.75	3.10	5.15

3CP56876—1 1/2 in. long lead "S" Trap, for above sink, for 1 1/2 in. iron pipe connection. Shipping weight, 6 lbs. Each..... \$1.60

3CP56686—Combination Rubber Plug Strainer. For dish washing. To fit above sink. Each..... 25c

WHITE ENAMELED DRAIN BOARD

White Porcelain Enameled Cast Iron Roll Rim Drain Board. For flat or roll rim sinks. Interchangeable. Can be placed at either end of sink. Furnished complete, with heavy iron bracket for end support.

3CP56668—Size 18x24 in. For all sinks 18 in. wide. Weight, 20 lbs. Each..... \$2.95

3CP56669—Size 20x24 in. For use with sinks 20 in. wide. Weight, 30 lbs. Each..... 3.25

CAST IRON SINK BRACKETS



Heavy Cast Iron Sink Brackets. Ornamental design. Made adjustable, to fit all ordinary sinks. Size, 11 1/2 x 15 in. Weight, per pair, 4 lbs. Wood screws, for fastening to wall, or bolts are not included.

3CP56705—Painted. 27c

Per pair

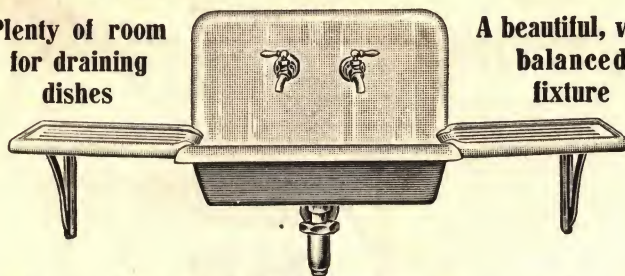
3CP56706—Galvanized 42c

Per pair

WHITE PORCELAIN ENAMELED SINKS

Enameled One-Piece Sink with Double Drain Board **\$13.85**

Plenty of room
for draining
dishes



A beautiful, well
balanced
fixture

Genuine White Porcelain Enameled Cast Iron One-Piece Sink. A beautifully designed sink, cast in one solid piece with back, from the best grade of soft gray iron. Has roll rim, and is fitted with detachable roll rim drain boards, as shown in illustration.

Sink is supported from wall by concealed cast iron wall brackets. Each enameled iron drain board is furnished with heavy cast iron wall bracket to fit. Sink and drain boards are heavily coated with the best grade of pure white enamel, of deep, clear white color. The coating is guaranteed not to crack or peel off under ordinary use. Height of back, 12 in. above top of sink. Length of drain board, 24 in. Fully guaranteed.

Prices quoted below are for sink with nickel plated strainer, bolts and trap coupling, drain boards and brackets. These prices do not include faucet or trap. (See note below.)

Cat. No.	Size, in.	Shipping Wt., lbs.	Each
3CP56656	18x30	290	\$13.85
3CP56657	20x30	320	14.40
3CP56658	20x36	340	15.20

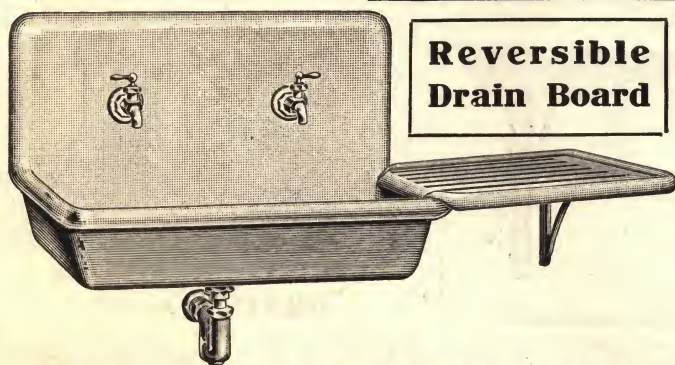
3C55449—Nickel Plated Fuller Flange Faucets. For ½ in. iron pipe thread. Weight, 1 ¼ lbs. Each **75c**

3C56866—Lead Half "S" Trap, 1½ in. For iron pipe connection. Weight, 4 ½ lbs. Each **\$1.40**

It is a very simple matter to install one of these modern kitchen sinks

All open plumbing—Perfectly clean and sanitary. No unsightly woodwork with seams and crevices to catch the germs, grease and dirt as with the old style sinks. No kitchen should be without a modern sink of this kind.

White Enameled One-Piece Sink with **\$10.25** Drain Board



Reversible
Drain Board

Genuine White Porcelain Enameled One-piece Cast Iron Roll Rim Kitchen Sink, with detachable reversible roll rim drain board. A very sanitary and neat appearing sink, a sink that will be an ornament to any kitchen. Back and sink are all cast in one solid piece, with heavy roll rim. No seams or sharp corners to injure the hands. Drain board is of heavy roll rim construction, enameled iron, with ribs as shown.

Sink and drain board are heavily coated with best quality of clear white, genuine porcelain enamel, applied by special process in manufacture, insuring an absolutely smooth and even enameled surface. Is full deep white color. The special process insures a hard and fast contact between the enamel and the iron, which absolutely prevents any possible chance of the enamel cracking or peeling under any ordinary use. Drain board can be placed at either end of sink, as desired. Drain board is supported at end with heavy cast iron special wall bracket, as shown. Sink is suspended from wall by heavy cast iron concealed wall hangers. This is a sink that will be a credit to the finest kitchen. Fully guaranteed.

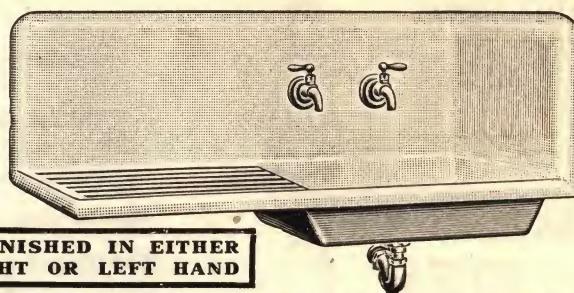
Prices quoted below are for sink with nickel plated strainer, bolts, and white enameled drain board, with end supporting bracket and concealed wall hangers, as described. Prices do not include faucets or trap. (See note below.)

Cat. No.	Size of Sink, in.	Height of Back, in.	Size of drain board in.	Wt., lbs.	Each
3CP56646	18x30	12	18x24	170	\$10.25
3CP56647	20x30	12	20x24	195	10.62
3CP56648	20x36	12	20x24	205	11.45

3C55449—Nickel Plated Fuller Flange Faucets. For ½ in. iron pipe thread. Weight, 1 ¼ lbs. Each **75c**

3C56866—Lead Half "S" Trap, 1½ in. For iron pipe connection. Weight, 4 ½ lbs. Each **\$1.40**

White Enameled Corner Sink with Drain Board **\$18.60**



FURNISHED IN EITHER
RIGHT OR LEFT HAND

Genuine White Porcelain Enameled One-Piece Long Back Sink, with corner piece. An ideal corner kitchen sink. Sink body, drain board, long back, and end are all cast in one solid piece, as shown in illustration. One of the handsomest and most modern kitchen sinks ever manufactured.

Sink is of very artistic design, with heavy roll rim and ribbed enameled iron drain board. Enamel is of the very best quality, pure white, genuine porcelain enamel. It is applied by a special manufacturing process, insuring hard and fast contact between the enamel and the iron, and preventing any possibility of peeling or cracking after the sink is in use. There are no seams whatever in this sink for grease, etc., to accumulate. It is one of the most sanitary sinks on the market. Height of back, 12 in. Size of sink, 20x30 in. Size of drain board, 20x24 in. Total length of sink, 54 in. Sink is supported from wall by concealed wall hangers. Requires no brackets whatever.

If the plan of your kitchen is such that the sink can be advantageously located in the corner of the room, this is certainly the sink to install. We can furnish sink with end piece at either right or left hand end. Drain board is always on opposite end to end piece. Be sure to order correctly. Illustration shows right hand end.

Prices quoted below are for sink only, with nickel plated strainer, bolts, and concealed wall hangers. These prices do not include faucets or trap. (See note below.)

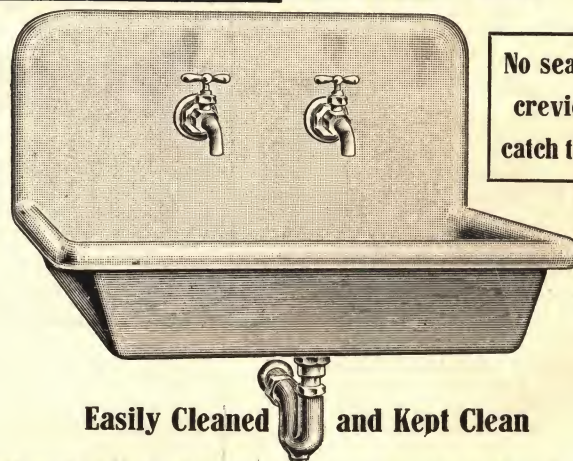
3CP56644—With Right Hand End, and left hand drain board. Weight, about 225 lbs. Each **\$18.60**

3CP56645—With Left Hand End, and right hand drain board. Weight, about 225 lbs. Each **\$18.60**

3C55449—Nickel Plated Fuller Flange Faucets. For ½ in. iron pipe thread. Weight, 1 ¼ lbs. Each **75c**

3C56866—Lead Half "S" Trap, 1½ in. For iron pipe connection. Weight, 4 ½ lbs. Each **\$1.40**

White Enameled **\$7.00** One-Piece Sink



No seams or
crevices to
catch the dirt

Easily Cleaned and Kept Clean

Genuine White Porcelain Enameled One-piece Roll Rim Kitchen or Pantry Sink. A neat, beautiful appearing, compact and sanitary sink, for use in all places where space is limited, or a drain board is not required.

This sink is perfect in design, all cast in one solid piece. No seams, or sharp corners. Cast from best grade of soft gray iron, heavily coated with genuine white porcelain enamel of best quality. Deep, clear white in color. Smooth and even surface. Guaranteed not to crack or peel while in use. Sink is suspended from wall by heavy concealed cast iron wall hangers. Fully guaranteed.

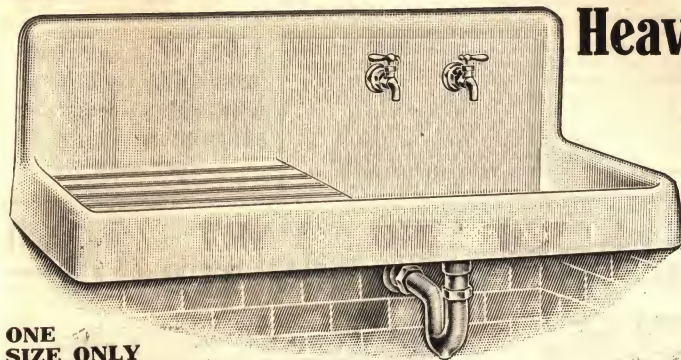
Prices given below are for sink with concealed wall hangers, nickel plated strainer and bolts. These prices do not include faucets or trap.

Cat. No.	Size of Sink, in.	Height of Back, in.	Weight, lbs.	Each
3CP56650	18x30	12	150	\$7.00
3CP56651	20x30	12	160	7.38
3CP56652	20x36	12	175	7.15

3C55449—Nickel Plated Fuller Flange Faucets. For ½ in. iron pipe thread. Weight, 1 ¼ lbs. Each **75c**

3C56866—Lead Half "S" Trap, 1½ in. For iron pipe connection. Weight, 4 ½ lbs. Each **\$1.40**

ONE-PIECE ENAMELED APRON SINKS



ONE
SIZE ONLY

Heavy One-Piece Enameled \$25⁴⁵ Deep Apron Sink

This Sink is without any question one of the most magnificent and beautiful plumbing fixtures ever manufactured. It is a product of which we are proud. The massive construction, with the deep apron, gives this sink an artistic tone which places it in a class by itself, and makes it a pleasure to work in any kitchen where it is installed. It is remarkably attractive—a beautiful fixture in every sense of the word.

The entire sink and back is made in one solid piece, cast from the best grade of soft gray iron, after which the casting is very carefully smoothed and finished. The entire outside surface of the sink is then coated with best quality genuine white porcelain enamel, applied by a special process which insures a hard and fast contact between the enamel and the iron, and renders chipping or peeling of the enamel absolutely impossible under ordinary use. Enamel is full deep white in color, finished to a smooth and even surface, and guaranteed free from imperfections or defects of any kind.

Sink has waste outlet in center, as shown. There are two faucet holes in back, for hot and cold water. Furnished with concealed wall hangers for attachment to wall. No seams to harbor dirt or grease, no sharp corners to injure the hands. A sink that is easily cleaned and kept clean. It is a sink that you may well be proud of. Where partition wall to which sink is attached is of light construction, we recommend that sink be ordered with ornamental cast iron leg supports.

3CP56661—Sink only, with cast iron concealed wall hangers, as described. **\$25.45**
Shipping weight, about 200 lbs. Each.....
3CP56662—Sink furnished complete, with ½ in. Fuller Flange Faucets, and lead trap to wall or floor, as desired. Concealed wall hangers, etc. Shipping weight, about 220 lbs. **\$27.10**
Each.....

NOTE—We can furnish above sink with two ornamental cast iron supporting legs, with bolts for attaching, at \$2.00 extra.
If above sink is wanted for iron pipe connection, add 50c.

Total Length, 52 Inches
Size of Sink.....20x28 in. | Depth of Apron.....5 in.
Size of Drain Board.....20x40 in. | Height of Back.....12 in.

Enameled Deep Apron Sink With Corner Piece

\$27³⁵

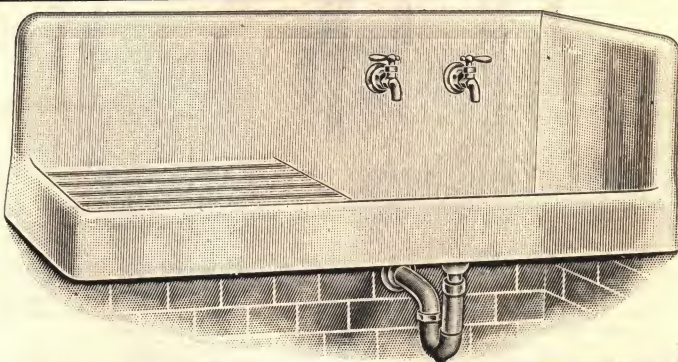
Furnished in Either Right or Left
Hand Pattern
ONE SIZE ONLY, SAME AS ABOVE

A beautiful, one-piece Cast Iron, White Porcelain Enameled Corner Sink, with end piece, as shown in illustration. This sink is an exact duplicate of our Sink No. 3CP56661, described above, except that it has the addition of the end piece, and is intended to be set in corner of kitchen. We can furnish this sink in either right or left hand (illustration shows right hand sink). Drain board is always on opposite end to corner piece. In ordering, be sure to state whether sink is wanted with end piece at right hand side of left hand side.

The workmanship and finish of this sink are perfect. Enamel is applied by latest improved process, giving a full, deep white color, and doing away with any chance of enamel cracking or peeling under ordinary use. With proper care this sink will last a lifetime, and makes a beautiful fixture in any kitchen.

It is often desirable to place the sink in the corner of the kitchen to save space. If the plan of your kitchen is such that a corner sink can be used, we certainly recommend this fixture to you. We could not offer you a higher grade sink, no matter what price you would pay for it.

3CP56665—One-piece Corner Sink only, with concealed wall hangers. No other fittings. Right-hand end piece, like illustration. Shipping weight, 210 lbs. **\$27.35**
Each.....



If above sink is wanted complete with ½ in. Fuller flanged faucets for hot and cold water and 1½ in. lead "P" trap, add \$1.65. Weight of above trimmings, 20 lbs.
If wanted with fixtures, as above, for iron pipe connection, add \$2.15.

3CP56666—One-piece Corner Sink, no trimmings, with left-hand end piece. **\$27.35**
Shipping weight, 210 lbs. Each.....

\$280 Cast Iron Enameled Flat Rim Slop Sinks



3CP56537—Flat rim, cast iron White Porcelain Enameled Slop Sink, like illustration, with nickel plated strainer and bell outlet, with trap coupling for 1½ or 2 in. lead trap connection. This sink is practically the same as a regular cast iron flat rim kitchen sink, except that it is smaller and deeper. It is connected in the same manner as any of our kitchen sinks. Makes a very handy, inexpensive sink for installation in basement or a laundry, for emptying out scrub pails, etc. Can be set either in wooden frame or on brackets. White enameled inside, painted outside.

Size	Weight	Price
16x16x10 in.	35 lbs.	\$2.80
16x20x12 in.	50 lbs.	3.50
20x22x12 in.	80 lbs.	4.20

If above sink is wanted with 1½ in. lead "S" or "P" trap for iron pipe connection, add \$1.40

Flat Rim Sink on Trap Standard

3CP56538—White enameled, cast iron flat rim Slop Sink, mounted on heavy cast iron Trap Standard, as shown in illustration. Sink is fitted with nickel plated brass strainer, and bolts to attaching to trap. Trap is 4 in. in size, and connection is made to this fixture with a regular lead bend, in the same manner as a closet bowl is connected. Trap has clean-out plug for cleaning. Owing to the large size of the trap, there is no chance of its becoming stopped up or giving trouble. Sink is painted on outside, and trap is painted to match sink.



\$6⁷⁵

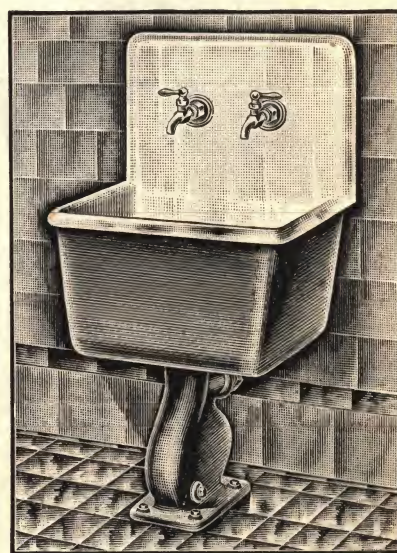
Size	Weight	Price
16x16x10 in.	60 lbs.	\$6.75
16x20x12 in.	80 lbs.	7.20
20x22x12 in.	120 lbs.	8.15

\$11³⁵ Cast Iron, Roll Rim White Enameled Slop Sink

3CP56536 One-piece, Cast Iron, White Porcelain Enameled Slop Sink. Mounted on cast iron trap standard base, with clean-out, as shown in illustration. Sink and back are cast in one solid piece from the best grade of soft gray iron. Heavily enameled inside and over the roll rim with genuine white porcelain enamel. Smooth and even finish. No seams to harbor grease or dirt. A perfectly sanitary fixture.

Sink is fitted with two ½ in. Fuller plain flanged faucets, for hot and cold water. These faucets are threaded for iron pipe connection. Sink is neatly painted on outside, and trap standard is also painted to match sink. Waste outlet in center of sink is fitted with nickel plated strainer. A high grade, sanitary fixture, fully guaranteed.

These sinks are used for emptying and washing out scrub pails, mops, etc., and are indispensable in large buildings, such as office buildings, stores, shops, schools, factories, etc., or any place where a considerable amount of scrubbing and cleaning is done. A sink of this kind in the modern home laundry facilitates the work of house cleaning, scrubbing, etc., very much and is a convenience that is well worth the small investment.



Size, 16x20x12 in. deep. Shipping weight, 180 lbs. **\$11.35**
Complete, with faucets, back and trap, as shown. Price.....
Size, 18x22x12 in. deep. Shipping weight, 180 lbs. **12.35**
Complete, with faucets, trap and back, as described. Price.....
Size, 20x24x12 in. deep. Shipping weight, 200 lbs. **13.35**
Complete, with trap, faucets and back, as described. Price.....

NOTE—Waste outlet of these sinks is 4 in. in size. Connection is made in same manner as to a closet bowl.

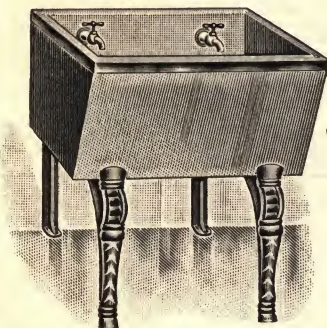
STONEWARE LAUNDRY TUBS

No home is complete
without a set of
these modern Laundry
Tubs

The very great convenience of these modern Laundry Tubs renders them practically indispensable in the modern home. All carrying of water, filling and emptying tubs, with the attendant mishaps, spilling, splashing, etc., are entirely done away with. The hot and cold water is connected to the faucets at the back of each tub, and when it is desired to fill the tubs for washing purposes, all you have to do is to open the faucet—hot or cold—and you can fill the tub with water immediately at exactly the temperature you want it. The tub is emptied by the mere pulling of the chain attached to the brass stopper in the bottom of the tub. In design, workmanship and material, these tubs are unsurpassed. If your plumbing system is already installed, it is a very simple matter to connect up a set of these tubs, as all connections can be arranged for iron pipe threads. We will cheerfully furnish instructions or diagram for connecting and installing on request.

A Set of these tubs
installed in your home
will lighten the burden
of your washing 50
per cent

SINGLE PART LAUNDRY TUB \$3³⁰—



3CF56690—Single Compartment Laundry Tub. Moulded in one solid piece, of special granite composition. Rounded inside corners. Securely mounted on ornamental cast iron legs, as shown. Top edges reinforced with patent metallic rim. This makes a very neat and compact tub, and is especially to be recommended where space is limited or washing is light. The back does not extend beyond top line of tub, and faucets are set down below top, as shown in illustration. Tub can be fitted with a neat, hinged wooden cover, and used as work table when not in use.

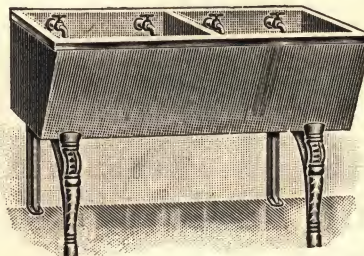
Prices quoted below are for tub only—no faucets or trap. Shipped from factory Northern Illinois.

Length	Width	Depth	Shpg. Wt.	Price
25 in.	24 in.	16 in.	200 lbs.	\$3.30
27 in.	24 in.	16 in.	225 lbs.	3.60
31 in.	24 in.	16 in.	250 lbs.	4.15

3CF56703—One set special Fuller 1/2 in. Laundry Tray Faucets. For above tub. Price, per set.....\$1.50

3CF56863—1 1/2 in. Short Lead "S" Trap. Fitted for iron pipe connection for above tub. Price.....\$1.40

DOUBLE PART LAUNDRY TUB \$5²⁰—



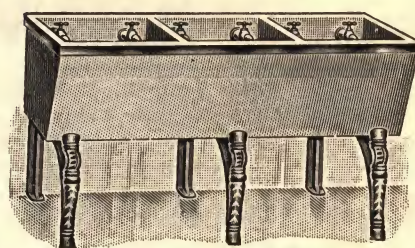
3CF56694—Double Compartment Stoneware Laundry Tub. Moulded in one solid piece, of special granite composition. Rounded inside corners. Top edges equipped with patent metallic rim. Tub is securely mounted on ornamental cast iron legs, as shown. Has no seams to develop leaks, etc. Is practically indestructible in ordinary use. This is our most popular size tub, and fulfills all requirements of the ordinary household. Faucets are set below top rim, and the back does not extend above top of tub, permitting the tub to be equipped with wooden cover when not in use. Waste outlets of both compartments are cross connected at bottom into one single outlet, so that tub requires only one trap connection. Each compartment is equipped with brass waste plug, so that it can be filled or emptied independently. Prices quoted below do not include faucets or trap. Shipped from factory in Northern Illinois.

Length	Width	Depth	Shpg. Wt.	Price
48 in.	24 in.	16 in.	400 lbs.	\$5.20
54 in.	24 in.	16 in.	450 lbs.	5.95
60 in.	24 in.	16 in.	475 lbs.	6.34

3CF56704—Complete set of special Fuller 1/2 in. Laundry Tray Faucets. For above tub. Price, per set.....\$3.00

3CF56863—1 1/2 in. Short Lead "S" Trap. For above tub. Fitted for iron pipe connection. Price.....\$1.40

THREE PART LAUNDRY TUB \$8⁶⁰—



3CF56697—Three Compartment Stoneware Laundry Tub. Entire tub is moulded in one solid piece of special granite composition, with rounded inside corners. Tub has no seams whatever. Faucets are set low in tubs, below top rim, as shown in illustration, so that tub may be fitted with wooden cover, and used as work table, etc., when not in use. Tub is securely mounted on three pairs of heavy ornamental cast iron legs, as shown. Top edges are reinforced with patent metallic rim, and tub is practically indestructible in ordinary use. This tub requires two traps having two waste outlets. Where considerable washing is done, or where the space permits, we recommend the three-part tubs. The third compartment is a very desirable feature, and facilitates the laundry work very much.

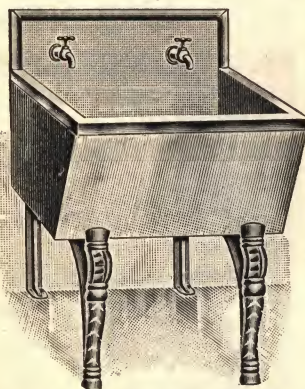
Prices quoted below do not include faucet or trap. Shipped from factory Northern Illinois.

Length	Width	Depth	Shpg. Wt.	Price
72 in.	24 in.	16 in.	600 lbs.	\$ 8.60
80 in.	24 in.	16 in.	650 lbs.	9.70
90 in.	24 in.	16 in.	700 lbs.	10.25

3CF56707—Complete set of six Special Fuller 1/2 in. Laundry Tray Faucets. For above tub. Price, for the set.....\$4.50

3CF56863—Two 1 1/2 in. Short Lead "S" Traps. For above tub. Fitted for iron pipe connection. Price, for the two traps.....\$2.80

SINGLE PART TUB \$3⁵⁵— HIGH BACK



3CF56708—Single Compartment Laundry Tub. With high back. Made of granite composition, moulded in one solid piece. Inside corners are rounded. Tub has no seams whatever. Top edges are reinforced with patent metallic rim. Tub is practically indestructible in ordinary use. Securely mounted on heavy ornamental cast iron legs. The high back feature adds materially to the fine appearance of the tub, and prevents splashing.

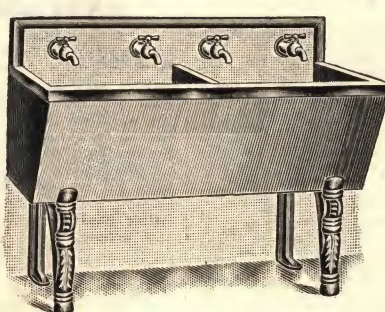
Prices quoted below do not include faucets or trap. Shipped from factory in Northern Illinois.

Length	Width	Depth	Shpg. Wt.	Price
25 in.	24 in.	16 in.	225 lbs.	\$3.55
27 in.	24 in.	16 in.	250 lbs.	3.85
31 in.	24 in.	16 in.	275 lbs.	4.30

3CF56703—One set Special Fuller 1/2 in. Laundry Tray Faucets. For above tub. Price, per set.....\$1.50

3CF56863—1 1/2 in. Short Lead "S" Trap. Fitted for iron pipe connection for above tub. Price.....\$1.40

DOUBLE PART TUB \$7⁷⁰— HIGH BACK



3CF56710—Double Compartment Stoneware Laundry Tub. With high back. Tub is moulded in one solid piece. Top edges reinforced with patent metallic rim. Tub is practically indestructible in ordinary use. Securely mounted on heavy ornamental cast iron legs, as shown. Tub requires only one trap for waste connection. Compartments equipped with brass plug stopper, so that it can be filled or emptied independently. The high back feature makes it an elegant appearing tub, and prevents splashing. Requires only one trap for waste connection.

Prices below do not include faucets or trap.

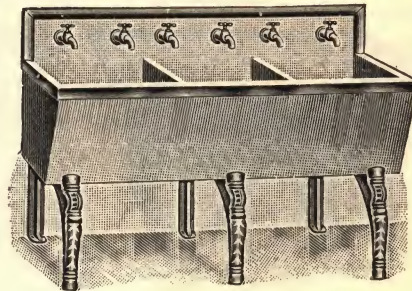
Shipped from factory in Northern Illinois.

Length	Width	Depth	Shpg. Wt.	Price
48 in.	24 in.	16 in.	450 lbs.	\$7.70
54 in.	24 in.	16 in.	500 lbs.	8.95
60 in.	24 in.	16 in.	525 lbs.	9.70

3CF56704—Complete set of Special Fuller 1/2 in. Laundry Tray Faucets. For above tub. Price, per set.....\$3.00

3CF56863—1 1/2 in. Short Lead "S" Trap. For above tub. Fitted for iron pipe connection. Price.....\$1.40

THREE PART TUB \$11⁰⁵— HIGH BACK



3CF56714—Three-Part Stoneware Laundry Tub. Moulded in one solid piece, of special granite composition. Rounded inside corners. Top edges reinforced with patent metallic rim. Tub is securely mounted on three pairs of heavy ornamental cast iron legs, as shown. An elegant tub of fine appearance. For service and convenience we could not give you a better tub at any price. High back prevents splashing. Tub is practically indestructible in ordinary use. A very desirable tub where any considerable amount of washing is done. Tub requires two traps for waste connection. Shipped from factory in Northern Illinois.

Prices below do not include faucets or trap.

Length	Width	Depth	Shpg. wt.	Price
72 in.	24 in.	16 in.	700 lbs.	\$11.05
80 in.	24 in.	16 in.	775 lbs.	12.80
90 in.	24 in.	16 in.	850 lbs.	13.80

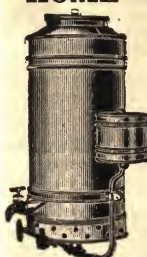
3CF56707—Complete set of six Fuller 1/2 in. Laundry Tray Faucets. For above tub. Price, for the set.....\$4.50

3CF56863—Two 1 1/2 in. Short Lead "S" Traps. For above tub. Fitted for iron pipe connection. Price, for the two traps.....\$2.80

LET US SEND YOU A FREE COPY OF OUR SPECIAL HEATING CATALOGUE "MODERN HOME HEATING."

RANGE BOILERS AND HEATERS

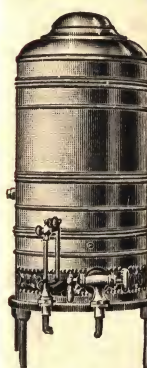
"HOME" BATH HEATER



One of the finest little portable Water Heaters on the market. Entirely self-contained. The tank is made of heavy metal, nickel-plated finish, with metal coil in bottom. It is safe and simple, and will heat sufficient water for a bath in 15 to 20 minutes. Usual value \$10.00. Intended to be fastened on a shelf over the foot of the tub. Requires no plumbing. Can be furnished for either city gas or gasoline. Both types listed below. Be sure to make no mistake when ordering. Size of tank, 28 in. high by 12 in. diameter. Capacity, 12 gallons. This Heater has a loose cover on top for filling with water. Is not intended for use under pressure. Wgt., crated, 50 lbs.

3CF56496 Nickel-plated Heater. \$8.10
3CF56497 For burning gasoline. 8.10

\$17⁸⁵ "WINDSOR" INSTANTANEOUS WATER HEATER



Heats water instantly as it flows through the heater. No storage tank required. Simply connect the heater up to the cold water supply pipe, light the burner, turn on the water, and the Heater will supply a constant stream of flowing hot water at a temperature of 100 degrees Fahrenheit. When the water is shut off the burner is turned out automatically, so that it cannot become overheated. Is equipped with pilot light, which can be kept constantly burning if desired, so that it will not be necessary to light the heater each time it is to be used. Just turn on the water and the burner is lighted automatically, so that immediate supply of hot water is obtained.

The heater is constructed of the very best grade of cold drawn copper highly nickel plated, and will last a lifetime. Capacity of heater, two gallons of flowing hot water per minute, at a temperature of 100 degrees Fahrenheit. Each Heater should be connected with a vent pipe terminating outside of the bath room. Diameter, 12 in.; height, 28 in. Shipping weight, about 80 lbs. Illustration shows Heater for gas. The gasoline type is equipped with gasoline storage tank on side.

FOR CITY GAS
3CF56490—Windsor Heater. \$17.85
Complete for gas

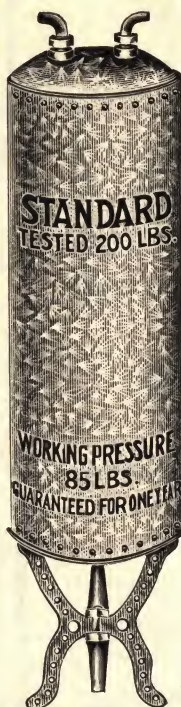
FOR GASOLINE
3CF56491—Windsor Heater. Complete for burning gasoline. Each. 22.10
3CF56492—Vent Pipe, 3 in. nickel-plated. Per foot. .45c
3CF56493—Elbows, 3 in. nickel-plated. Each. .70c
3CF56494—Coils, 3 in. to match. Each. .30c
Shipped from factory in Southern Michigan.



GALVANIZED RANGE BOILERS

Range boilers are used for storing hot water under pressure. They are intended to be connected with a heating coil in kitchen stove or furnace, or with gas heater such as our 3057821, shown on this page. They are connected in such a way that the water circulates from the tank through the heating device and back to the tank, so that a constant supply of hot water is always available. Cold water is supplied to the top and carried down through a tube inside of the boiler, and discharged near the bottom. Hot water is drawn off from the top. As soon as a hot water faucet is opened the hot water is forced out through the top, the cold water coming in at the bottom of the tank through the tube as explained. To anyone having a modern water supply system, attic storage tank or city water supply, a tank of this kind is indispensable. Full instructions for connecting, etc., furnished with each boiler on request. A 30 gallon boiler is sufficient for the requirements of an ordinary household. If an unusual amount of hot water is demanded, we recommend the 40 gallon size.

STANDARD BOILERS



3CP56723—Made of galvanized steel. Carefully tested to 200 pounds pressure. Guaranteed maximum working pressure of 85 lbs. Suitable for use in connection with our air pressure water supply systems, storage tank systems, city water service, etc., in places where the pressure does not exceed 85 lbs. If your plumbing system is connected to the city water works, and the maximum or fire pressure exceeds 85 lbs., we recommend our extra heavy boilers listed below. Each boiler is furnished complete with stand, tube, and couplings, for iron pipe connection.

Cap. Gal.	Height Inches	Approximate wt. lbs.	Price Complete
30	60	85	\$ 6.50
35	60	90	7.35
40	60	100	7.95
52	60	120	13.25

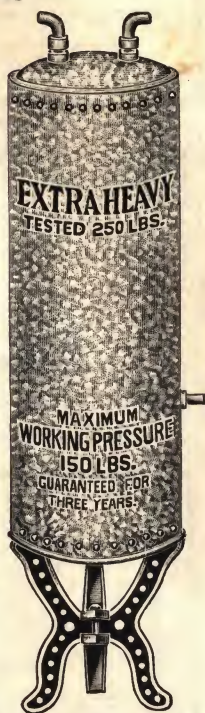
EXTRA HEAVY

3CP56728—Extra Heavy. Fully guaranteed. For use in all cases where water pressure exceeds 85 lbs.

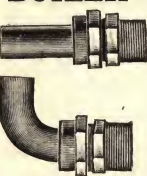
Cap. Gal.	Height Inches	Approximate wt. lbs.	Price Complete
30	60	92	\$ 9.20
35	60	100	10.50
40	60	110	10.95
52	60	135	13.95

If boiler only is wanted without stand, tube, or couplings, deduct \$1.00 from above prices.

We are in position to furnish solid copper range boilers, in any size. Prices quoted on request.



BOILER COUPLINGS



3CF56729—For making connection to range boiler. Fitted with Standard iron pipe thread. Complete set consists of four couplings made of iron, heavily galvanized. Each coupling fitted with union joint, as shown. Weight, 2 lbs. Price, per set \$1.05

BOILER STANDS



3CF56730—Adjustable, can be made to fit either 30, 35 or 40 gallon boiler. A very strong and durable stand, of neat appearance. No range boiler is complete without one of these stands. Weight, about 4 lbs. Price, each 50c

Mogul Windsor Tank and Laundry Heater

Here is a very efficient and economical laundry heater that will furnish 60 gallons of hot water per hour. It can be used in combination with a circulating water boiler, where you have regular pressure of some sort. One advantage is that the top of the heater affords ample space for heating irons, etc., conveniently. These heaters are very strongly built and will stand a pressure of 50 pounds. Has front feed door and two 8-in. lids. Strongly and durably made throughout and specially adapted for family use. Price on board cars at Kansas City.



Heater Connected to Boiler

Catalogue Number	Heater Number	Height Inches	Size of Top	Size of Smoke Pipe
3KP50075	7	24	14x22 in.	6 in.
Size of Water Pipe Connection	Diameter of Fire Pot	Weight Crated	Price Each	
3/4 in.	14 in.	150 lbs.	\$12.90	

GIANT WINDSOR TANK HEATER

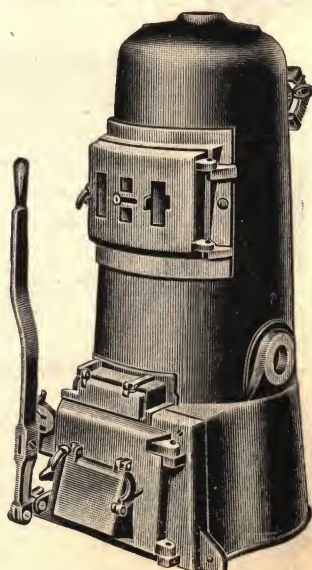
Where a great deal of hot water is needed, and a larger heater than the Mogul is desired, we recommend the Giant Windsor. This is one of the most efficient water heaters ever made and the most economical in fuel consumption. It has not, as is evident from the illustration, a flat top for wash boiler or sad iron heating, but it has the greatest possible water surface exposed to the fire, and this makes it most economical in fuel consumption for the water heated.

It is very simply made, and easy to fire, being especially designed to heat water in tanks for domestic uses. It can also be used to heat poultry houses, small green-houses, small swimming pools, and baptistries. It can be used also for small hot water heating plants where the radiation used is from 150 to 200 square feet.

The tank capacity, given in the table below, means the amount of water the two sizes will heat per hour, from 40 degrees to 200 degrees Fahrenheit.

	Cat. No. 3KF50021	Cat. No. 3KF50041
Diam. of Grate..	12 in.	14 in.
Height	38 in.	42 in.
Tappings	1 1/2 in.	2 in.
Diameter of Smoke Pipe..	5 in.	5 in.
Tank Capacity..	250 gal.	350 gal.
Price	\$19.60	25.75

Shipped from factory near Buffalo, N. Y.



"IMPERIAL" GAS WATER HEATER \$5.00



3057821—Intended for use in connection with our Galvanized Range Boilers, shown on this page. A very serviceable heater using gas for fuel. Strong, durable, and substantially constructed. Russia iron casing, cast iron top and bottom, with cast iron burner. Coil is made of a solid, seamless, drawn copper tube, all in one piece, with couplings at top and bottom for connection to iron pipe. Is fitted with deflectors, which keep the flame and heat concentrated on the heating coil at all times. Very economical in gas consumption. Will heat sufficient water for bath in 30 minutes. Each heater is fully guaranteed. Shipping weight, 25 lbs. Price \$5.00

"CLIMAX" AUXILIARY WATER HEATER



3KF57822—Made of one single cored casting all in one piece. For use in connection with hot water storage tanks, or in connection with one or more radiators, as an auxiliary means of heating rooms which cannot be properly heated by the furnace. This heater is placed directly above the fire in your heating boiler or warm air furnace, and connection made to the piping system in the ordinary manner. The cold water enters the heater at the bottom, circulates through the multiple arms and out through the top. Owing to the very large number of these arms entirely exposed to the fire, the very highest efficiency that can possibly be secured in a heater of this kind is obtained. Our 12 in. size will easily heat a good size room when connected to a hot water radiator. Shipped from Northern Illinois.

	5 in.	6 in.	8 in.	12 in.
Diameter	5 in.	6 in.	8 in.	12 in.
Height	3 in.	3 in.	4 1/2 in.	6 in.
Tapping	1 in.	1 in.	1 1/2 in.	2 in.
Capacity	30 gals.	35 gals.	75 gals.	125 gals.
Shpg Wt.	5	6	8	12
	4 1/2	4 1/2	12	30
Price	\$1.95	\$2.20	\$4.20	\$5.75

Prices on larger sizes quoted on request.

CAST IRON SOIL PIPE AND FITTINGS

Quarter Bends



3C 56764—Standard. Size, 2 in. Weight, 3 1/2 lbs. Each11c
Size, 4 in. Weight, 7 1/2 lbs. Each23c
3C 56765—Extra Heavy. Size, 2 in. Wt. 5 1/2 lbs. Each15c
Size, 4 in. Weight, 12 1/2 lbs. Each30c

Eighth Bends



3C56770—Standard. Size, 2 in. Weight, 3 lbs. Each12c
Size, 4 in. Weight, 7 lbs. Each25c
3C56771—Extra Heavy. Size, 2 in. Wt. 4 1/2 lbs. Each17c
Size, 4 in. Weight, 11 1/2 lbs. Each33c

Sixth Bend



3C56768—Standard. Size, 2 in. Weight, 8 lbs. Each12c
Size, 4 in. Weight, 17 1/2 lbs. Each25c
3C56769—Extra Heavy. Size, 2 in. Wt. 11 1/2 lbs. Each17c
Size, 4 in. Weight, 24 1/2 lbs. Each33c

Soil Pipe Rests



3C56780—Standard. Size, 2 in. Weight, 10 lbs. Each12c
Size, 4 in. Weight, 20 lbs. Each20c
3C56781—Extra Heavy. Size, 2 in. Wt. 14 lbs. Each17c
Size, 4 in. Weight, 28 lbs. Each33c

Running Trap



3C56820—Standard. Size, 4 in. Weight, 15 lbs. Each74c
3C56821—Extra Heavy. Size, 4 in. Wt. 37 lbs. Each95c

Running Trap



3C56825—Standard. Weight, 15 lbs. Each78c
3C56826—Extra Heavy. Weight, 28 lbs. Each1.02

Cast "S" Trap



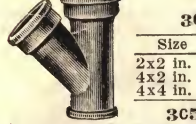
3C56806—Standard. Size, 2 in. Weight, 6 1/2 lbs. Each22c
Size, 4 in. Weight, 18 1/2 lbs. Each50c
3C56807—Extra Heavy. Size, 2 in. Weight, 8 lbs. Each38c
Size, 4 in. Weight, 27 lbs. Each70c

Half "S" Trap



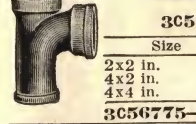
3C56814—Standard. One size only, 4 in. with 2 in. vent. Weight, 17 1/2 lbs. Each70c
3C56815—Extra Heavy. Weight, 25 1/2 lbs. Each90c

"Y" Branch



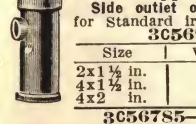
3C56792—Standard
Size | Wt. lbs. | Each
2x2 in. | 5 | 20c
4x2 in. | 10 1/2 | 42c
4x4 in. | 14 1/2 | 42c
3C56793—Extra Heavy
Size | Wt. lbs. | Each
2x2 in. | 10 | 27c
4x2 in. | 17 | 53c
4x4 in. | 23 | 55c

Sanitary "T" Branch



3C56774—Standard.
Size | Wt. lbs. | Each
2x2 in. | 6 | 76c
4x2 in. | 11 | 39c
4x4 in. | 14 | 40c
3C56775—Extra Heavy
Size | Wt. lbs. | Each
2x2 in. | 8 | 23c
4x2 in. | 16 | 53c
4x4 in. | 19 1/2 | 54c

Tapped "T" Branch



Side outlet of this branch is tapped for standard iron pipe thread.
3C56784—Standard.
Size | Wt. lbs. | Each
2x1 1/2 in. | 5 | 30c
4x1 1/2 in. | 7 | 49c
4x2 in. | 7 | 50c
3C56785—Extra Heavy
Size | Wt. lbs. | Each
2x1 1/2 in. | 10 | 40c
4x1 1/2 in. | 14 | 53c
4x2 in. | 14 | 64c

All Soil Pipe and Fittings shown on this page are guaranteed to be of the very best quality, perfect castings, free from flaws or defects of any kind, and heavily coated, both inside and out, with coal tar. Soil pipe is made and sold only in 5-foot lengths. Dimensions given are inside diameter.

Single Hub Soil Pipe



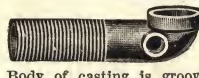
STANDARD
3CP56760—Standard size, 2 in. Single Hub. Weight, per length, 17 1/2 lbs. Price, per length,54c
Standard size, 4 in. Single Hub. Weight, per length, 32 1/2 lbs. Price, per length,89c
EXTRA HEAVY
3CP56761—Extra Heavy size, 2 in. Single Hub. Weight, per length, 27 1/2 lbs. Price, per length,72c
Extra Heavy size, 4 in. Single Hub. Weight, per length, 65 lbs. Price, per length,\$1.40

Double Hub Soil Pipe



STANDARD
3CP56762—Standard size, 2 in. Double Hub. Weight, per length, 17 1/2 lbs. Price, per length,71c
Standard size, 4 in. Double Hub. Weight, per length, 32 1/2 lbs. Price, per length,\$1.02
EXTRA HEAVY
3CP56763—Extra Heavy size, 2 in. Double Hub. Weight, per length, 27 1/2 lbs. Price, per length,82c
Extra Heavy size, 4 in. Double Hub. Weight, per length, 65 lbs. Price, per length,\$1.58

Cast Iron Closet Bend



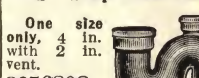
Used to connect closet to soil pipe stack, tapped on each side for 1 1/2 in. iron pipe. Lead and iron ferrule is calked into hub. Body of casting is grooved and can easily be broken off to size required to fit any closet roughing in measurement. Size, 4x18.
3C56905—Standard weight, 20 lbs.\$1.20
3C56906—Extra Heavy weight, 30 lbs.1.35

Cast Iron Roof Plates



Cast iron Roof Plate for Soil Pipe. Used on flat roofs.
3C56832—Standard size, 4 in. Shipping weight, 12c
3C56833—Extra heavy size, 4 in. Shipping weight, 18c
3C56834—For 4 in. Soil Pipe. Weight, 4 lbs. Each92c

"S" Trap With Vent



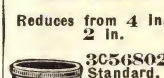
One size only, 4 in. with 2 in. vent.
3C56808—Standard. Weight, 24 lbs. Each67c
3C56809—Extra Heavy. Weight, 32 lbs. Each90c

Three-Quarter "S" Trap With Vent



One size only, 4 in. with 2 in. vent.
3C56812—Standard. Weight, 20 lbs. Each70c
3C56813—Extra Heavy. Weight, 29 lbs. Each90c

Cast Reducer



Reduces from 4 in. to 2 in.
3C56802—Standard. Weight, 3 1/2 lbs. Each19c
3C56803—Extra Heavy. Weight, 4 lbs. Each27c

"S" Trap



With Clean-out Hole and Cover. Size, 4 in.
3C56816—Standard. Weight, 21 lbs. Each68c
3C56817—Extra Heavy. Weight, 30 lbs. Each90c

Half "S" Trap



With Clean-out Hole and Cover. Size, 4 in.
3C56818—Standard. Weight, 20 lbs. Each66c
3C56819—Extra Heavy. Weight, 29 lbs. Each88c

Cast Iron Long Increases

Used at top of soil pipe stack, where pipe goes through roof.
3C56852—Standard. Increases from 2 in. to 4 in. Length, 24 in. Weight, 13 lbs. Each69c
3C56853—Extra Heavy. Increases from 2 in. to 4 in. Length, 24 in. Weight, 22 lbs. Each80c
3C56854—Standard. Increases from 4 in. to 5 in. Length, 30 in. Weight, 33 lbs. Each96c
3C56855—Extra Heavy. Increases from 4 in. to 5 in. Length, 30 in. Weight, 40 lbs. Each\$1.10

Long Increases With Side Inlet



The side inlet of these increases is tapped for 1 1/2 in. iron pipe thread.
3C56856—Standard. Increases from 2 in. to 4 in. Length, 24 in. Weight, 13 lbs. Each92c
3C56857—Extra Heavy. Increases from 2 in. to 4 in. Length, 24 in. Weight, 22 lbs. Each\$1.02
3C56858—Standard. Increases from 4 in. to 5 in. Length, 24 in. Weight, 33 lbs. Each\$1.15
3C56859—Extra Heavy. Increases from 4 in. to 5 in. Length, 24 in. Weight, 40 lbs. Each\$1.25

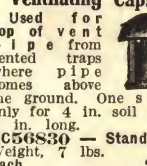
Our Prices Are Lowest

Tapped Increases



The small opening of these increases is tapped for standard iron pipe thread.
3C56848—Standard. Size, 4x1 1/2 in. Weight, 7 lbs. Each40c
Size, 4x2 in. Weight, 7 lbs. Each45c
3C56849—Extra Heavy. Size, 4x1 1/2 in. Weight, 9 lbs. Each45c
Size, 4x2 in. Weight, 9 lbs. Each47c
3C56841—Clean-out Plug, with brass screw covers. Furnished in one weight only. Size, 2 in. Weight, 1 1/4 lbs. Each20c
Size, 4 in. Weight, 2 1/4 lbs. Each34c

Ventilating Caps



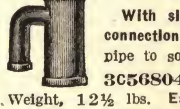
Used for top of vent pipe from vented traps where pipe comes above the ground. One size only for 4 in. soil pipe (1 in. long).
3C56830—Standard. Weight, 7 lbs. Each28c
3C56831—Extra Heavy. Weight, 15 lbs. Each39c

Double Hub



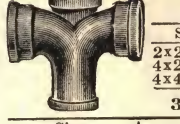
3C56800—Standard. Size, 2 in. Weight, 3 lbs. Each8c
Size, 4 in. Weight, 4 1/2 lbs. Each17c
3C56801—Extra Heavy. Size, 2 in. Weight, 4 1/2 lbs. Each12c
Size, 4 in. Weight, 8 lbs. Each21c

Ventilating Branch



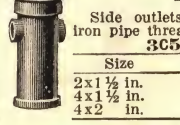
With side outlet, for calked joint connection. Used for connecting vent pipe to soil pipe stack.
3C56804—Standard. Size, 4x2 in. Weight, 12 1/2 lbs. Each48c
3C56805—Extra Heavy. Size, 4x2 in. Weight, 16 1/2 lbs. Each60c

Sanitary Crosses



3C56788—Standard.
Size | Wt. lbs. | Each
2x2 in. | 5 | 35c
4x2 in. | 10 | 57c
4x4 in. | 12 | 57c
3C56789—Extra Heavy.
Size | Wt. lbs. | Each
2x2 in. | 10 | 47c
4x2 in. | 21 | 77c
4x4 in. | 24 | 77c

Tapped Crosses



Side outlets are tapped for standard iron pipe thread 1 1/2 or 2 in.
3C56835—Standard.
Size | Wt. lbs. | Each
2x1 1/2 in. | 5 | 55c
4x1 1/2 in. | 9 | 73c
4x2 in. | 9 | 73c
3C56836—Extra Heavy.
Size | Wt. lbs. | Each
2x1 1/2 in. | 10 | 70c
4x1 1/2 in. | 12 | 93c
4x2 in. | 12 | 93c

Soil Pipe Joints are easily made.
See Page 3 of this book

LEAD GOODS, BENDS, TRAPS, ETC.

Standard Short Lead "S" Traps

3C56864—Standard Short Lead "S" Trap. Used principally for laundry tubs or wherever a short connection is required. Furnished with plain ends for lead pipe connection. Has brass screw clean-out cap in bottom.

Size	Shpg. wt.	Each
1 1/4 in.	2 1/2 lbs.	35c
1 1/2 in.	4 lbs.	48c

Standard Long Lead "S" Traps

3C56872—Standard Long Lead "S" Trap. Used for sinks, wash basins, etc. Are sufficiently long to run from bottom of sink or bowl to floor. No extension required. Fitted with brass screw clean-out in bottom. Furnished with plain ends for lead pipe connection.

Size	Shpg. wt.	Each
1 1/4 in.	4 lbs.	50c
1 1/2 in.	6 lbs.	70c

Lead Bends

3C56882—Short Lead Bends. Standard weight.

Size	Shpg. wt.	Each
2 in.	2 1/2 lbs.	30c
4 in.	7 1/2 lbs.	78c

3C56883—Long Lead Bends. Standard weight.

Size	Shpg. wt.	Each
2 in.	4 1/2 lbs.	40c
4 in.	9 lbs.	\$1.00

Standard Short Lead "S" Traps

3C56863—This trap is exactly the same as our 3C56864, except that it is fitted with a brass nipple for iron pipe connection on the outlet end, so that it can be connected up with Standard iron pipe.

Size	Shpg. wt.	Each
1 1/4 in.	5 lbs.	\$1.05
1 1/2 in.	6 lbs.	1.40

Standard Lead "P" Traps

3C56867—Standard Lead "P" Trap. With plain ends, as shown. Used for sinks, laundry tubs, etc., where it is desired to make connection to wall instead of floor. Fitted with brass screw clean-out in bottom.

Size	Shpg. wt.	Each
1 1/4 in.	4 1/2 lbs.	28c
1 1/2 in.	7 lbs.	42c

Standard Lead "P" Trap

For Iron Pipe Connection

3C56866—Standard Lead "P" Trap. Same as our 3C56867, except that outlet end of trap is fitted with brass nipple for iron pipe connection.

Size	Shpg. wt.	Each
1 1/4 in.	3 lbs.	\$1.05
1 1/2 in.	4 1/2 lbs.	1.30

Standard Lead Bath Traps

3C56885—These traps are used for waste connection from bath tubs, and are set in floor in such a way that the brass screw cover comes flush with top of floor, so that trap can be easily cleaned at any time. Fitted with brass nipples for connecting to Standard iron pipe.

Size	Shpg. wt.	Each
1 1/4 in.	1 1/2 in.	1 1/2 in.
Shipping wt.	6 lbs.	6 lbs.
Each	\$2.80	\$3.05

NOTE—Price for above trap, with nickel plated cover, 25c extra.

Standard Plain Lead

Bath Traps

3C56887—Standard Plain Lead Bath Trap. Exactly the same as our 3C56885, except that no holes or connections are cut into it. Trap is furnished intact. Holes can be cut and connections made on the job, at whatever points desired. This trap is used for lead pipe work.

Size, 4 in. in diameter by 9 in. long, with brass top screw. Weight, 4 1/2 lbs.

Each \$1.05

NOTE—Price for above trap, with nickel plated cover, 25c extra.

Cast Iron Bath Traps

3C56860—Cast Iron Bath Trap, same as our 3C56887 except that trap is made of cast iron. Has shorter body, and has outlet openings threaded for iron pipe connection. This trap has outlet opening on side at top, as shown, and inlet opening in center of bottom. Cover is nickel plated.

Size, 4 in. in diameter by 5 in. deep, topped for 1 1/4 in. iron pipe. Fitted with brass screw cover. Weight 8 lbs.

Each 85c

Cast Iron Drum Traps

3C56862—Cast Iron Drum Trap. With brass screw cover. This trap is exactly the same as our 3C56860, except that it has inlet opening on side at bottom, instead of center of bottom. Trap also has longer body. Cover is nickel plated. Size, 4 in. in diameter by 8 1/2 in. long. Weight, 10 lbs.

Each \$1.25

Bell Trap Cesspool

3C51738—Cast Iron Bell Trap Cesspool or Floor Drain. Used for drain outlet in cement floors of basement, area ways, etc. Has bell-shaped trap, which prevents any escape of sewer gas. Top plate strainer is removable for cleaning. Has 1 1/2 in. outlet. Size, 6x6 in. Shipping weight, 5 lbs.

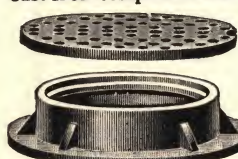
Each 50c

Cast Iron Adjustable Closet Bends

3C56890—Cast Iron Adjustable Closet Bend. Has adjustable screw neck inlet, which fits flush with floor. The flange has bolt holes for bolting up tight to bowl. Is 18 in. long, with grooves cast around body, as shown. Can be broken off to exact size required to fit any closet. Tapped on both sides for 1 1/4 in. iron pipe thread. Shipping wt., 20 lb.

Each \$1.62

Cast Iron Cesspool Covers



3C56841—A heavy, well designed cast iron cover and frame. For cisterns, cesspools, catchbasins, etc. Will last a lifetime. Sets on top of cistern wall, about 6 in. below ground, so that all that shows above ground is the actual cover. Cover is a heavy solid casting, as shown, and will never become displaced, as would be the case with the lighter covers on the market. Diameter of cover, 19 in. Diameter of flange at bottom, 30 in. Weight, including cover, 165 lbs.

Price, for frame and cover as shown, \$6.20

Each

Combination Sink Couplings

3C56887—Combination Sink Coupling. With Iron Pipe Thread. For use in connection with cast iron sinks only. These couplings cannot be used with our steel sinks. Coupling is tapped for 1 1/4 in. Standard iron pipe thread. Shipping weight, 1 1/2 lbs.

Each 12c

Combination Lead Bends and Ferrules

Used for connecting closet bowl to soil pipe stack, where soil pipe runs in wall.

3C56850—Size, 4x12 in. Weight, 9 1/2 lbs.

Each \$1.10

Size, 4x14 in. Weight, 10 1/2 lbs.

Each 1.25

3C56851—Size, 4x18 in. Weight, 12 lbs.

Each \$1.42

Combination Lead and Iron Ferrules

These ferrules are used for connecting closet to soil pipe, where soil pipe runs directly beneath bowl, and no bend is required. Ferrule end is calked into soil pipe. Lead end projects above floor and is flanged over and connected set on with rubber gasket. The smaller sizes are used for connecting lead pipe into soil pipe fittings.

3C56844—Size, 1 1/4 in., for 2 in. cast iron soil pipe 6 in. long. Weight, 2 lbs.

Each 23c

3C56845—Size, 1 1/2 in., for 2 in. cast iron soil pipe 6 in. long. Weight, 2 1/2 lbs.

Each 25c

3C56846—Size, 2 in., for 2 in. cast iron soil pipe 10 in. long. Weight, 3 1/2 lbs.

Each 36c

3C56847—Size, 4 in., for 4 in. cast iron soil pipe 12 in. long. Weight, 7 1/2 lbs.

Each 74c

Cast Iron Service Boxes

3C56895—These boxes are placed over a "Y" handle stop cock, in underground water pipes, the top of the box coming flush with the top surface of the ground, so that by removing the top cover of the box a rod can be let down and the water shut off or turned on, whenever desired. Used principally in cities and towns where service pipe enters the building from outside, so that in case anything goes wrong with the plumbing fixtures water can be immediately turned off on the outside.

Length, 36 in. to 54 in. Diameter, 2 1/2 in. Shipping weight, 22 pounds.

Each \$1.12

Length, 54 in. to 78 in. Diameter, 2 1/2 in. Shipping weight, 34 pounds.

Each \$1.45

In ordering, state length required. We will furnish the nearest size.

Combination Sink Plugs

3C56889—Combination Sink Plug. This plug can be used instead of the strainer in kitchen sinks, etc., where it is desired for any purpose to keep the sink filled with water. Can be attached to any sink in very few minutes. Plate is heavily nickel plated and comes with rubber plug and chain. Weight, 1/2 lb.

Each 28c

Brass Ferrule

3C56840—Brass Ferrule. For connecting lead waste pipe to cast iron soil pipe. Lead pipe is connected to ferrule by a wiped joint, and ferrule is then calked into soil pipe.

Length, 2x3 1/4 in. Shipping weight, 14 oz.

Each 23c

Length, 4x4 in. Shipping wt., 1 1/2 lb

Each 37c

Pipe Hydrants

3C56892—Anti-freezing Hydrant. Fitted with shut-off rod and stop and waste cock. Goose-neck head fitted for 1/2 inch hose connection. Size, 3/4 in. 4 feet long. Weight, 15 lb.

Each \$1.50

Cast Iron Sink Trap

3C56888—Cast Iron Sink Trap. With brass clean-out screw in bottom. Fitted for 1 1/4 in. iron pipe outlet. Suitable only for our cast iron sinks. Weight 3 1/2 lb.

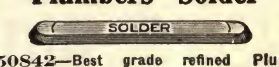
Each 42c

Pig Lead



3C56847—Plumbers' Pig Lead. Comes in 7 lb. pigs. Price, per pound 8c (Price subject to market changes.)

Plumbers' Solder



3C50842—Best grade refined Plumbers' Solder. Comes in bars of about 1 1/2 lbs. each. We do not sell less than a bar. Price, per bar 50c (Price subject to market changes.)

Plumbers' Prepared Soil

3C56842—A special preparation for coating nipples, lead pipe, etc., preventing solder from sticking wherever applied. Used for wiping joints, etc., so that solder will take hold only where it is wanted. Shipping weight, 1 1/4 lbs. Packed in 1 pint cans. Each 22c

Sheet Lead



3C50847—Best Grade Sheet Lead. For roof flashing, tank lining, and all general purposes where lead facing or lining is required. The 1/32 in. weighs 2 lbs. to the square foot. The 1/16 in. weighs 4 lbs. to the square foot. Always state thickness wanted. Size, 1/32 in. thick. Per square foot, 22c

Size, 1/16 in. thick. Per square foot, 34c

Lead Waste and Supply Pipe

3C56805—Prices quoted are subject to market changes.

Size, Inside Diameter	Weight per ft.	Price per ft.
1/2 in.	10 oz.	6c
3/4 in.	1 lb.	8c
1 in.	1 1/4 lbs.	11c
1 1/4 in.	2 lbs.	15c
1 1/2 in.	3 lbs.	21c
2 in.	3 lbs.	22c
4 in.	5 lbs.	36c

NOTE—Prices on other sizes or weights of lead pipe quoted on request.

Plumbers' Oakum

3C56846—Rope Oakum, spun long fiber. For calking iron soil pipe. Oiled, and especially prepared in coils, about 50 lbs. to the coil. Per coil \$2.45

Per lb.06

NICKEL PLATED BATH ROOM FURNISHINGS

Six Piece Bath Fixture Set

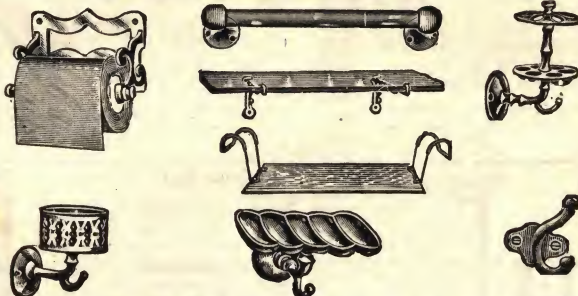
\$2³⁵



3C56364—Six-piece Bath Fixture Set. Consists of one nickel plated wall soap cup; one nickel plated combination tumbler tooth brush holder; one nickel plated bath tub soap cup, for attaching to rim of bath tub; one 18-in. nickel plated towel bar, made of ½-in. nickel plated brass tubing; one nickel plated toilet paper holder; and one plate glass shelf, made of polished plate glass, 5-in. wide by 18-in. long. All above trimmings are made of heavy brass, heavily nickel plated. Weight, complete set, 4¾ lbs. Special price for complete set, as described **\$2.35**

Eight Piece Bath Fixture Set

\$4⁴⁰



3C56368—Eight-piece Bath Fixture Set. Consists of one heavily nickel plated wall soap dish, ornamental design; one nickel plated tooth brush holder; one oak bath seat, with rubber-covered wire hangers heavily nickel plated; one glass shelf, made of polished plate glass, 5 in. wide by 18 in. long, with heavily nickel plated supporting brackets; one extra heavy crystal glass towel bar, 1 in. thick, 18 in. long, with nickel plated supports; one heavily nickel plated toilet paper holder; one ornamental pattern nickel plated tumbler holder; and one nickel plated brass bath robe hook. All of the above trimmings are made of heavy brass, heavily nickel plated, as shown in illustration. Each fixture is in itself a beautiful ornament in any bath room. No modern bath should be without a complete set of these trimmings. Weight, complete set, 9½ lbs. **\$4.40** Special price for complete set, as described.....

Seven Piece Bath Fixture Set

\$3⁴⁵



3C56367—Seven-piece Bath Fixture Set. Consists of one nickel plated wall soap dish; one nickel plated toilet paper holder; one nickel plated towel bar, 15 in. wide; one nickel plated tumbler holder; one oak bath seat; one nickel plated bath robe hook; and one of our rubber bath shower sprays, for shower bath or shampoo. All fixtures furnished, as shown in illustration, made of solid brass, heavily nickel plated. Weight, complete set, 6¾ lbs. Special price for complete set, as described..... **\$3.45**

Wall Tumbler Holder

3C56318—Heavily Nickel Plated, Solid Brass Wall Style Tumbler Holder. Ornamental design. Complete with nickel plated screws for attaching. Weight, 3 oz. Each.....23c

Bath Robe Hook

3C56408—Bath Robe Hook. Made from solid brass, heavily nickel plated. Complete, with nickel plated screws for attaching. Weight, 2 oz. Each.....9c Per doz.....93c

Wall Tooth Brush Holder

3C56338—Tooth Brush Holder. Wall pattern. Made of solid brass, heavily nickel plated. Furnished complete with nickel plated wall screws for attaching. A very handy fixture in any bath room. Weight, 8 oz. Each.....70c

Wall Tooth Brush and Tumbler Holder

3C56324—Tooth Brush and Tumbler Holder. Highly ornamental design, wall pattern. Furnished complete, with nickel plated screws for attaching. Weight, 7 oz. Each.....42c

Bath Soap Cup

3C56342—Bath Soap Cup. Made of solid brass, heavily nickel plated. Fits over rim of bath tub. Wt., 12 oz. Each.....80c

Wall Soap Dish

3C56310—Wall Soap Dish. Made of solid brass, heavily nickel plated. Complete, with nickel plated screws for attaching. Wt., 3 oz. Each.....12c

Combination Tumbler Holders and Soap Dish

3C56332—Combination Tumbler Holders and Soap Dish. Made of heavy brass, heavily nickel plated. Furnished complete, with nickel plated screws for attaching to wall. Removable tray. Weight, 12 oz. Each.....\$1.45

Combination Tumbler Holder, Tooth Brush Holder and Soap Dish

3C56335—Combination Tumbler Holder, Tooth Brush Holder and Soap Dish. Made of solid brass, heavily nickel plated. Complete, with nickel plated screws for attaching to wall. Wt., 18 oz. Each.....\$1.45

Combination Tumbler and Soap Dish

3C56328—Combination Tumbler and Soap Dish. Highly ornamental design. Wall pattern. Furnished complete, with nickel plated screws for attaching to wall. Weight, 8 oz. Each.....55c

Combination Tumbler Holder and Soap Dish

3C56329—Combination Tumbler Holder and Soap Dish. Made of heavy brass for attaching to wall. Furnished complete, with nickel plated wall screws. Fitted with removable soap drain. Weight, 12 oz. Each.....85c

Glass Shelf



3C56360—Plate Glass Shelf and Glass Towel Bar. Brackets are solid cast brass, nickel-plated. Shelf of polished plate glass, ground edges. Regular \$3.00 value. Weight, 4 lbs. Length, 18 inches. Width, 5 in. Each.....\$2.25

3C6361—Plate Glass Shelf. Brackets solid brass, nickel-plated. Shelf is of polished plate glass, ground edges. Width, 5 in. Length, 18 in. Weight, 2½ lbs. Each.....78c Length, 24 in. Weight, 3 lbs. Each.....95c

3C56370—Towel Bars, made of ½ in. solid brass tubing, nickel-plated, with heavy base. Weights, 8 to 11 oz. Length, in.....15 18 24 Each.....37c 42c 48c

3C56384—Towel Racks, with three folding arms. Length, 13 in. Weight, 14 oz. 58c

Toilet Paper Holder

3C56391—Toilet Paper Holder. Made of solid brass, heavily nickel plated, with ebony wood roller. Width, 5 in. Complete, with nickel plated screws for attaching. Wt., 4 oz. Each.....16c

Wall Soap Dish

3C56315—Wall Soap Dish. With removable soap drain. Highly ornamental design. Made of heavy brass, heavily nickel plated. Furnished complete, with nickel plated screws for attaching to wall. Weight, 7 oz. Each.....62c

Glass Bars

3C56380—Extra heavy Crystal Glass towel bars, solid brass brackets, nickel-plated. Diameter of glass bar, 1 in. Usual \$1.50 to \$2.00 value. Weight, 2½ to 3 lbs. Length, 18 in. Each.....\$1.15 Length, 20 in. Each.....1.20 Length, 24 in. Each.....1.30

3C56376—Glass Towel Bars. Brackets are solid brass, nickel-plated. Bar is round polished glass. Diameter, ¾-in. Weight, 10 and 12 oz. Length, 15 in. Each.....55c Length, 18 in. Each.....58c

3C56372—Towel Rack, made of ½ inch brass tubing. Nickel-plated. Length, 15 in. Weight, 4 oz. Each.....23c Length, 18 in. Weight, 6 oz. Each.....25c Length, 24 in. Weight, 9 oz. Each.....28c

3C56374—Double Bar Towel Rack. Brass tubing. Nickel-plated. Length, 24 in. Weight, 1½ lbs. Each.....\$1.15 Length, 30 in. Weight, 2 lbs. Each.....1.30

Toilet Paper Holder

3C56390—Toilet Paper Holder. Made of solid brass, heavily nickel plated. Ornamental design. For standard size paper. Width, 4¾ in. Weight, 12 oz. Each.....57c

Combination Soap Dish and Sponge Holder

3C56350—Combination Soap Dish and Sponge Holder. Made to fit over rim of bath tub. Made of solid brass, heavily nickel plated. Highly ornamental design. Weight, 1½ lbs. Each.....\$1.45

Bath Robe Hook

3C56410—Bath Robe Hook. Long, straight pattern. Made of solid brass, heavily nickel plated, with nickel plated screws for attaching. Length, 2½ in. Weight, 2 oz. Each.....19c

Whisk Broom Holder

3C56348—Whisk Broom Holder. Made of solid brass, heavily nickel plated. Ornamental pattern, as shown in illustration. Weight, 2 ounces. Each.....16c

Towel Rings

3C56386—Towel Rings. Made of solid brass, heavily nickel plated. Complete, with nickel plated screws for attaching. Wt., 12 oz. Each.....49c

Wall Soap Cup

3C56314—Wall Soap Cup. Made of solid brass, heavily nickel plated. Removable pattern. Complete, with nickel plated wall screws for attaching. Wt., 6 oz. Each.....32c

Soap Cup

3C56344—Soap Cup. Wire pattern. Made of solid brass, heavily nickel plated wire, to fit over rim of bath tub. Weight, 9 oz. Each.....40c

Sponge Holder

3C56346—Sponge Holder. Wall pattern. Made of heavy brass. Highly ornamental design. Heavily nickel plated. A beautiful ornament in any bath room. Furnished complete, with nickel plated wall screws for attaching. Weight, 1½ oz. Each.....90c

Wall Tumbler Holder

3C56319—Tumbler Holder. Wall pattern. Made of solid brass, heavily nickel plated, ornamental cup pattern. Furnished complete, with nickel plated screws for attaching. Wt., 5 oz. Each.....42c

Wall Tumbler Holder

3C56322—Wall Tumbler Holder. Highly ornamental design. Wall pattern. Made from solid brass, heavily nickel plated. Furnished complete, with nickel plated screws for attaching. Wt., 6 oz. Each.....36c

Soap Stand

3C56312—Portable Soap Stand. With removable soap ring. Made of solid brass, heavily nickel plated. Weight, 6 oz. Each.....46c

Comb and Brush Tray

3C56354—Comb and Brush Tray. Made of heavy brass. Heavily nickel plated. Length, 9 in. Weight, 12 oz. Each.....86c

Wall Match Safe

3C56356—Wall Match Safe. Made of solid brass, heavily nickel plated. Complete with nickel plated screws for attaching. Weight, 10 oz. Each.....72c

NICKEL PLATED FIXTURE TRIMMINGS

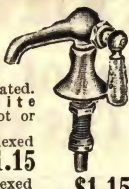
Fuller Basin Cock

3C55462—Fuller Basin Cock. Heavily constructed. Solid brass, heavily nickel plated. Furnished for lead or iron pipe connection. Illustration shows right-hand cock. State whether right-hand or left-hand faucet is wanted. This is important. Weight, 1 1/4 lbs.
3C55462—Right-hand Cock. Each **83c**
3C55463—Left-hand Cock. Each **83c**
 If above faucet is wanted for iron pipe connection, add 20c each.



Fuller Basin Cock

Extra quality. Made of heavy brass, heavily nickel plated. Semi-low down pattern, with round head, as illustrated. Faucet is equipped with white China handle, marked for hot or cold. Weight, 1 1/4 lbs.
3C55465—Right-hand. Indexed cold. Each **\$1.15**
3C55466—Left-hand. Indexed hot. Each **\$1.15**
 If above faucet is wanted for iron pipe connection, add 20c each.



Self Closing Basin Cock

3C55467—Boston Pattern. Self-closing Basin Cock. Heavy pattern. Solid brass, hand-somely nickel plated. A sure closing faucet. Substantially built, and well made in every way. Will not get out of order. Prevents water waste. Should always be used where water rate is high, or water is pumped by hand. Weight, 1 1/2 lbs.
 Each **\$1.40**
 If above faucet is wanted for iron pipe connection, add 20c.



Compression Basin Cock

Compression Basin Cock. Semi-low down pattern. Heavily nickel plated. White China indexed top, marked for hot or cold. Furnished for lead or iron pipe connection. Weight, 1 1/2 lbs.
3C55460—Indexed cold. Each **73c**
3C55461—Indexed hot. Each **73c**
 If above faucet is wanted for iron pipe connection, add 20c each.



Basin Supply Pipes For Floor Connection

3C55618—Plain Straight Basin Supply Pipes. Made of heavy brass tubing, heavily nickel plated. Size, 3/4 in. Furnished complete with nickel plated floor flanges, and nickel plated coupling for connection to basin cock. Furnished for lead pipe connection. Shipping weight, per pair, 3 lbs.
 Per pair (two) **\$1.10**
3C55620—Basin Supply Pipes. For floor connection with air chambers. Made of heavy brass tubing. Size, 3/4 in. With air chamber extension on side, as illustrated. Heavily nickel plated. Furnished complete, with nickel plated nut coupling for connection to basin cock, and nickel plated floor flange for lead pipe connection. Shipping weight, per pair, 4 lbs.
 Per pair (two) **\$2.10**
 If either of above supply pipes are wanted for iron pipe connection, add 20c each to prices quoted.



Basin Supply Pipes For Wall Connection

3C55617—Basin Supply Pipes. Without chambers. For wall connection, as illustrated on left. Made of heavy brass tubing, heavily nickel plated. Furnished complete, with nickel plated wall flanges and hexagonal coupling for connection to basin cock. Size, 3/4 inch. lead pipe connection. Weight, per pair, 3 1/2 lbs.
 Per pair **\$1.85**
3C55619—Plain Basin Supply Pipes. For wall connection, like illustration on left. No air chamber. Made of heavy 3/4 in. brass tubing, heavily nickel plated. Complete, with coupling and wall flange, for lead pipe connection. Weight, per pair, 2 lbs.
 Per pair **\$1.20**
 We can furnish either of the above Supply Pipes for iron pipe connection, for 20c extra, each.



Ideal Lavatory Waste Fitting

3C55622—Ideal Lavatory Waste Fitting. With white China Index top. Made of heavy brass, heavily nickel plated. A very handsome fixture. Substantially made, and fully guaranteed. This fixture cannot be attached to the regular style lavatory. The lavatory must be made for an ideal waste fitting, or it cannot be used. This fitting does away entirely with the chain and rubber stopper, and is often so troublesome and hard to keep in place. Furnished for lead pipe connection. Weight, 3 lbs.
 Each **\$3.20**
 We can furnish above fixture for 1/4-in. iron pipe connection, at 50c extra.



Rubber Fuller Balls

For Repairing Fuller Bibbs. Black for cold water; Red for hot water.
3C55450—For cold water. Size, in. 1/2 5/8 3/4 1 1/4 1 1/2 Dozen **16c 19c 26c**
3C55451—For hot water. Size, in. 1/2 5/8 3/4 1 1/4 1 1/2 Dozen **26c 31c 51c**



Cock Hole Covers
3C55455—Used to cover up hole in lavatories, kitchen sinks backs, etc., where only one faucet is used. Nickel plated finish, with nut and bolt, as shown. Price, each **18c**



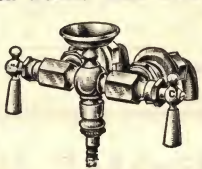
Rubber Extension Elbow

3C55628—Rubber Extension Elbow. Used to connect flush pipe of closet to bowl. Flexible and adjustable from 3/4 to 5/4 in. Weight, 12 oz.
 Size, in. Each
 1 1/4 **28c**
 1 1/2 **48c**
 2 **53c**



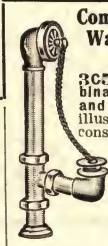
Fuller Combination Double Bath Cock

3C55470—Fuller Combination Double Bath Cock, as illustrated. Heavy construction. Solid brass, heavily nickel plated. Fitted for 1/2 in. lead pipe connection. Has nickel plated jewel cup on top, for holding rings, etc. A very handsome faucet, fully guaranteed. Handles indexed hot and cold. Hot and cold water are mixed before flowing into bath tub. Faucet is equipped also with spigot outlet for shower bath hose attachment. Shipping weight, 4 lbs.
 Each **\$1.88**
 We can furnish above faucet for iron pipe connection, at 20c extra.



Combination Bath Waste and Overflow

3C55620—Combination Bath Waste and Overflow, as illustrated. Built-up construction, with slip joint connections. Made of heavy brass, heavily nickel plated. Complete, with rubber stopper, chain and floor flange, as shown. A high grade fixture. Will fit any Standard bath tub. Regularly furnished for lead pipe connection. Weight, 3 lbs.
 Each **\$1.45**
 We can furnish above fixture for 1/4 in. iron pipe connection at 50c extra.



Combination Bath Trap, Waste and Overflow

3C55623—A highly practical bath tub fixture. Combines the bath trap with the connected waste and overflow, doing away entirely with the necessity of having a trap in floor. Trap is cast of solid brass at base of fixture, as shown in illustration, and is fitted with removable plug for cleaning. Perfectly sanitary, and will not get out of order. Fixture is made of heavy brass heavily nickel plated, complete with chain, rubber stopper, and nickel plated floor flange, as shown, for lead pipe connection. Weight, 4 lbs. Each **\$3.15**
 We can furnish above fixture for 1/4 in. iron pipe connection at 50c extra.



Bath Supplies

3C55627—Nickel Plated Bath Supply Pipes. Made of solid brass, heavily nickel plated. Guaranteed to withstand any city water pressure. Threaded for 1/2 in. iron pipe connection. Complete, with nickel plated floor flanges. Price, per pair **\$1.30**

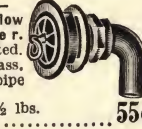
Bath Waste Plug

3C55619—Bath Waste Plug. Solid brass, heavily nickel plated. Complete, with nickel plated chain and rubber stopper for lead pipe connection. Weight, 1 lb. Each **55c**



Bath Overflow Strainer

3C55618—Bath Overflow Strainer. Nickel plated. Solid brass, for lead pipe connection. Weight, 1 1/2 lbs. Each **55c**



Enameled and Earthenware Basin Bowls

Round Enameled Iron Basin



Cast Iron, White Porcelain Enameled Round Basin. With patent overflow, and nickel plated strainer. Diameter, 13 1/2 in. Shipping weight, 20 lbs.
3C55606—White porcelain enameled inside. Painted outside. Each **\$2.10**
3C55607—White porcelain enameled inside and out. Each **2.85**

Round Earthenware Basin



3C55602—Round, White, Earthenware Basin. With patent overflow. Price is for basin only, without fittings. See 3C55605 on this page, last column, for metal basin plug. Outside diameter, 14 in. Weight 12 lbs. Each **95c**

Oval Enameled Iron Basin

White Enameled Cast Iron Oval Basin. With waste plug, rubber stopper, and patent overflow. Nickel plated strainer. Size, 14 x 17 in. Shipping weight, 25 lbs.
3C55608—White porcelain, enameled inside. Painted outside. Each **\$2.45**
3C55609—White porcelain, enameled inside and out. Each **3.10**

Oval Earthenware Basin

3C55603—White Earthenware Oval Basin. Size, 14x17 in. With patent overflow, for metal plug. Price is for basin only. No fittings. See 3C55605 for metal basin plug. Weight, 14 lbs. Each **\$1.95**

Wrought Steel Basin

3C55600—Seamless Wrought Steel Wash Basin. Diameter, 14 1/2 in. Light gray, enameled inside and out. Furnished with overflow. Nickel plated coupling and plug. Furnished only for lead pipe connection. Weight, 2 1/2 lbs. Each, as described **\$1.82**

Long Basin "S" Traps

3C55611—Long, Plain Basin "S" Trap. Without vent, as illustrated at left. Built-up slip joint connections. Size, 1 1/4 in. Made of heavy brass, heavily nickel plated. Furnished complete with floor flange for lead pipe connection. Weight, 3 lbs. Each **\$1.55**



Vented Trap

3C55610—Long Basin "S" Trap with vent. Heavily nickel plated, same as above, except that trap is fitted with nickel plated vent to wall, as shown in illustration at right. Furnished complete, with floor and wall flanges. Size, 1 1/4 in. For lead pipe connection. Weight, 4 lbs. Each **\$1.90**
 We can furnish either of above traps for 1/4 in. iron pipe connection, at 50c extra.



Plain Basin "P" Trap

3C55613—Plain Basin Half "S" Trap, without Vent. Like illustration. Heavily nickel plated. Complete with wall flange for lead pipe connection. Weight, 2 lbs. Each **\$1.25**
 If above trap is wanted for 1/4 in. iron pipe connection, add 50c.



Vented Basin "P" Trap

3C55612—"P" Basin Trap, with Vent. Heavily nickel plated. Slip joint construction, like illustration. Furnished complete, with flanges for lead pipe connection. Weight, 3 lbs. Each **\$1.90**
 If wanted for 1/4-inch pipe connection, add 50c.



Metal Basin Plug

3C55605—Metal Basin Plug. Nickel plated. These plugs are used with our earthenware basins, listed on this page. Made of heavy, solid brass, heavily nickel plated. For 1/4-in. lead pipe connection. Complete with chain and rubber stopper, for patent overflow bowl. Weight, 8 oz. Each **28c**
 If above is wanted for 1/4-in. iron pipe connection, add 50c.



Brass Soldering Union

3C55600—Brass soldering Union. For connecting lead to iron pipe. Coupling can be screwed right into the regular Standard iron pipe thread.

Size	Shpg. wt.	Each
1/2 in.	2 oz.	13c
3/4 in.	3 oz.	17c
1 in.	5 oz.	19c
1 1/4 in.	7 oz.	23c
1 1/2 in.	8 oz.	26c

Brass Soldering Nipples

3C55602—Brass Soldering Nipple. With Standard iron pipe thread. Used for connecting lead to iron pipe.

Size	Shpg. wt.	Each
1/2 in.	3 oz.	9c
3/4 in.	4 oz.	15c
1 in.	8 oz.	15c
1 1/4 in.	9 oz.	22c
2 in.	12 oz.	29c

Brass Soldering Bushings

3C55604—Brass Soldering Bushing. Slips over end of lead pipe. Solder is applied to upper shoulder. Can be put on with an ordinary soldering iron.



Size	Shpg. wt.	Each
1 1/4 in.	1 1/4 in.	13c
Shipping wt.	4 oz.	22c
Each	17c	

RUNNING WATER IN YOUR HOME

**An Unfailing Rapid Flow of Water Always Available
These Are Advantages of Our**

WATER ALWAYS COOL IN SUMMER

These Pneumatic Water Supply Systems are so far ahead of the old style elevated tank systems that there is no comparison. The tank may be placed in a cool cellar or buried in the ground and the water will always be cool and fresh as if it just came from the well. This is impossible where an elevated tank is used with the sun beating on it all day long.

CANNOT FREEZE

The trouble and annoyance of freezing in water tanks, is something that you will never have with our Pneumatic Water Supply Systems. The tank is placed below the frost line, so that freezing is impossible.

ONLY \$48.00 For Our "Reliable" Water Supply System

Our "RELIABLE" Pneumatic Water Supply System, shown below, is one of the most perfect water supply systems ever placed on the market. The great advantage of this system lies in the fact that it has an entirely separate and independent air pump, as shown.

The water pump is of large capacity and throws a large volume of water into the tank in a very short time with little exertion. After sufficient water has been pumped into the tank (about two thirds full) as will be shown by the water gauge glass in the head of the tank, the valve (C) is closed tight and the air pressure is then brought up to the proper point with the separate hand air pump which is especially designed for pumping against high pressure.

After the air has been brought up to the proper pressure, the air valves (B) and (D) are closed tight and the outfit is ready for service.

Pressure may be relieved from tank by opening air valves (D) and (A).

Air pump furnished with this outfit is our Double Cylinder Pneumatic Force Pump No. 3CF55945, described on Page 38 of this book. The water pump will be our Double Acting Horizontal Water Force Pump No. 3CF55933, with 3 inch brass lined cylinder and air chamber. For description of water pump, see Page 53 of this book.

Each outfit is fitted complete with tank of size specified, all gauges, trimmings, valves, nipples, piping, etc., for making connections, as shown in illustration. Pipe to connect pump with well is not included.

**Every Outfit
Guaranteed
to Give
Satisfaction**



"Reliable" Water Supply Systems With Horizontal Tanks

OUTFIT NO. 3CF8150
"RELIABLE" Pneumatic Water Supply System, as above, with 24 in. by 8 ft. horizontal steel pneumatic tank. Actual capacity, 190 gallons. Working capacity, 130 gallons. Shipping weight, 625 lbs.
3CF8150—Price, complete \$52.30
3CF8151—Price, complete with tank, galvanized inside and outside 66.45

OUTFIT NO. 3CF8152
"RELIABLE" Pneumatic Water Supply System, as above, with 24 in. by 10 ft. horizontal steel pneumatic tank. Actual capacity, 235 gallons. Working capacity, 170 gallons. Shipping weight, 705 lbs.
3CF8152—Price, complete \$53.10
3CF8153—Price, complete, with tank galvanized inside and outside 71.85

OUTFIT NO. 3CF8154
"RELIABLE" Pneumatic Water Supply System, as above, with 30 in. by 8 ft. horizontal steel pneumatic tank. Actual capacity, 295 gallons. Working capacity, 200 gallons. Shipping weight, 860 lbs.
3CF8154—Price, complete \$60.70
3CF8155—Price, complete, with tank galvanized inside and outside 85.50

OUTFIT NO. 3CF8156
"RELIABLE" Pneumatic Water Supply System, as above, with 30 in. by 10 ft. horizontal steel pneumatic tank. Actual capacity, 365 gallons. Working capacity, 250 gallons. Shipping weight, 975 lbs.
3CF8156—Price, complete \$66.50
3CF8157—Price, complete, with tank galvanized inside and outside 86.35

OUTFIT NO. 3CF8158
"RELIABLE" Pneumatic Water Supply System, as above, with 36 in. by 8 ft. horizontal steel pneumatic tank. Actual capacity, 420 gallons. Working capacity, 300 gallons. Shipping weight, 1,110 lbs.
3CF8158—Price, complete \$70.50
3CF8159—Price, complete, with tank galvanized inside and outside 96.85

OUTFIT NO. 3CF8160
"RELIABLE" Pneumatic Water Supply System, as above, with 36 in. by 10 ft. horizontal steel pneumatic tank. Actual capacity, 525 gallons. Working capacity, 360 gallons. Shipping weight, 1,270 lbs.
3CF8160—Price, complete \$79.00
3CF8161—Price, complete, with tank galvanized inside and outside 109.85

THESE OUTFITS ARE SHIPPED FROM OUR FACTORY IN CENTRAL ILLINOIS

ME A GREAT CONVENIENCE AT SMALL COST

**An Abundant Supply, When and Where You Want It.
Modern Water Supply Systems**

IN WINTER

At this time, which is experienced with elevated temperatures, when you install one of these systems, it may be located in your cellar, or buried in the ground, which is impossible.

OUTFITS ARE EASILY INSTALLED

These outfits are very easily installed. Any ordinary mechanic who can cut and thread pipe can easily set one of these systems up in a few hours. There is nothing complicated about them. They consist simply of a tank with air and water pumps, as shown. The water is pumped into the tank and the air forces it out whenever a faucet is opened.

These Modern Systems Make These Conveniences Possible in the Home, Whether You Live in the City or Not



The Modern Bath Room

With one of these Water Supply Systems it is possible for you to have every convenience of a modern bath room. With running hot and cold water connected to the different fixtures, shower bath, etc., you will have an unfailing supply of water all the time. A few minutes' pumping each day will supply all the requirements. Every convenience of a modern city residence is at your service.

The Modern Kitchen

Running hot and cold water at your kitchen sink. This is a convenience which no modern kitchen should be without. If your home is located out in the country or in a suburb, away from all connections with city water works, etc., this is no reason why you should be without this great convenience. By installing one of these modern water supply systems, and connecting up one of our 30 to 40 gallon galvanized range boilers with your kitchen stove, you will have an abundant supply of hot water always at your command by the simple turning of the faucet.

Why be without these modern improvements when we can furnish you all the material required for the complete installation of one of these modern systems for such a very small investment?

The Modern Laundry

No home should be without a modern laundry properly equipped. A set of laundry tubs placed in the basement cuts the labor of washing almost in half. No carrying of water to and fro, filling tubs with the attendant spilling, splashing, etc., as is necessary with the old style wooden wash tubs.

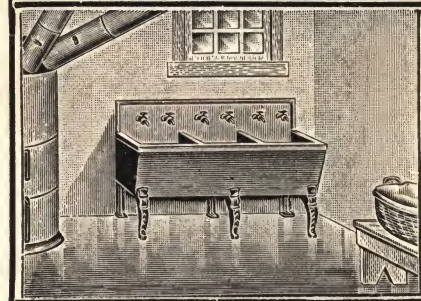
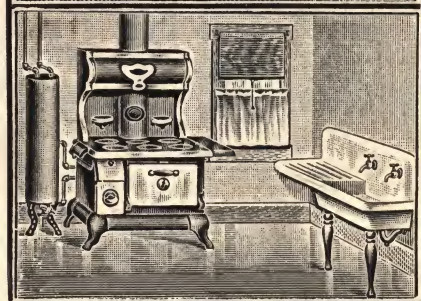
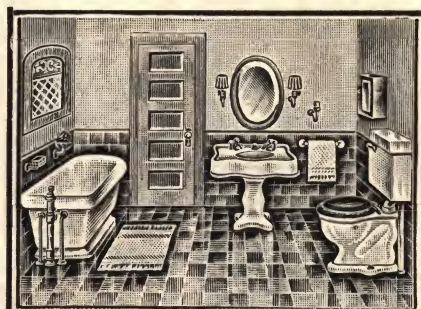
With these tubs installed, all you have to do is turn the faucet for either hot or cold water, and you can fill the tub instantly with water at just the temperature you want. To empty tubs, just remove the stopper and the water runs away of its own accord through the waste piping system, and that is all there is to it.

Why be without this modern convenience? It only requires a very small investment. With one of our modern Water Supply Systems, and a set of these tubs installed, with hot and cold water connection as explained, the laundry work will become a pleasure.

For Shallow Wells or Cisterns Only

These outfits can be used only for pumping water from wells or cisterns where the vertical distance from pump to level of water is not more than 25 ft. If you wish to pump water from a deep well with one of these systems, it is necessary to substitute a deep well pump. In this case write us for a special estimate, giving depth of well, distance from well to point where tank will be located, etc., with full particulars. We will be pleased to prepare a special estimate on an outfit that we will guarantee to fulfill all your requirements.

Remember, every outfit is absolutely guaranteed to give satisfaction or you can return it to us and we will refund the purchase price, together with all transportation charges you have paid.



"Reliable" Water Supply Systems With Vertical Tanks

OUTFIT NO. 3CFS162
"RELIABLE" Pneumatic Water Supply System, as above, with 24 in. by 6 ft. vertical steel pneumatic tank. Actual capacity, 140 gallons. Working capacity, 100 gallons. Shipping weight, 520 lbs.
3CFS162—Price, complete \$48.00
3CFS163—Price, complete, with tank galvanized inside and outside 60.05

OUTFIT NO. 3CFS164
"RELIABLE" Pneumatic Water Supply System, as above, with 24 in. by 8 ft. vertical steel pneumatic tank. Actual capacity, 195 gallons. Working capacity, 130 gallons. Shipping weight, 595 lbs.
3CFS164—Price, complete \$52.30
3CFS165—Price, complete, with tank galvanized inside and outside 66.35

OUTFIT NO. 3CFS166
"RELIABLE" Pneumatic Water Supply System, as above, with 30 in. by 6 ft. vertical steel pneumatic tank. Actual capacity, 200 gallons. Working capacity, 160 gallons. Shipping weight, 710 lbs.
3CFS166—Price, complete \$54.80
3CFS167—Price, complete, with tank galvanized inside and outside 68.85

OUTFIT NO. 3CFS168
"RELIABLE" Pneumatic Water Supply System, as above, with 30 in. by 8 ft. vertical steel pneumatic tank. Actual capacity, 295 gallons. Working capacity, 200 gallons. Shipping weight, 825 lbs.
3CFS168—Price, complete \$60.70
3CFS169—Price, complete, with tank galvanized inside and outside 80.85

OUTFIT NO. 3CFS170
"RELIABLE" Pneumatic Water Supply System, as above, with 36 in. by 6 ft. vertical steel pneumatic tank. Actual capacity, 315 gallons. Working capacity, 225 gallons. Shipping weight, 910 lbs.
3CFS170—Price, complete \$62.45
3CFS171—Price, complete, with tank galvanized inside and outside 83.85

OUTFIT NO. 3CFS172
"RELIABLE" Pneumatic Water Supply System, as above, with 36 in. by 8 ft. vertical steel pneumatic tank. Actual capacity, 420 gallons. Working capacity, 300 gallons. Shipping weight, 1,075 lbs.
3CFS172—Price, complete \$70.95
3CFS173—Price, complete, with tank galvanized inside and outside 96.85

THESE OUTFITS ARE SHIPPED FROM OUR FACTORY IN CENTRAL ILLINOIS

"Lakeside" Water Supply Systems

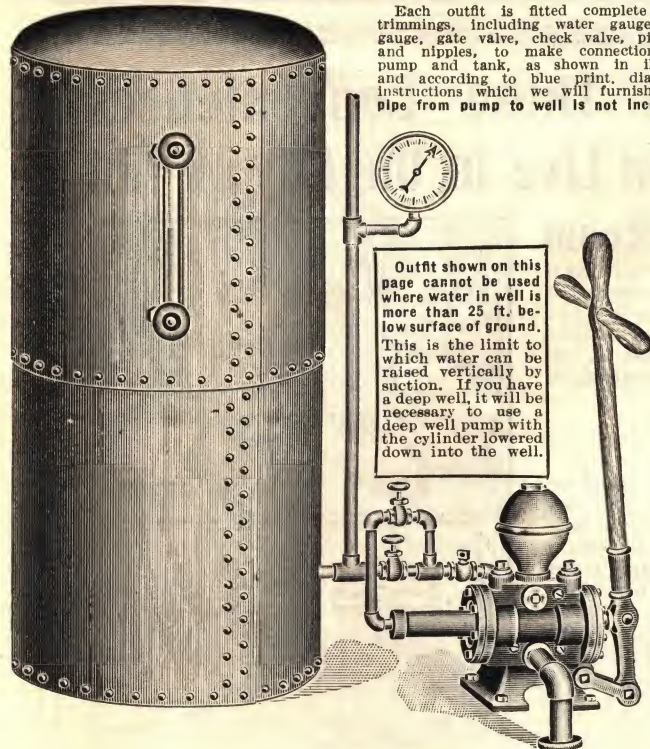
\$36⁹⁵ Buys This Modern Water Supply System With Upright Tank

Our "LAKESIDE" Pneumatic Water Supply System, with upright tank, is truly the ideal outfit for the home. The upright tank is an especially desirable feature where the outfit is to be placed in the basement, and we strongly recommend this outfit wherever the capacity required is not too great. Does not take up much space. A compact, well designed and highly practical water supply system, that is guaranteed to give perfect satisfaction.

Tank is double riveted on the horizontal seams, carefully calked, and tested to 125 lbs. air pressure before leaving factory. Guaranteed air tight and perfect in every respect.

The pump is our latest improved, combination air and water, double acting force pump, which pumps both air and water in the correct proportions, so that just enough air is supplied to make up for the amount absorbed by the water.

Each outfit is fitted complete with all trimmings, including water gauge, pressure gauge, gate valve, check valve, pipe fittings and nipples, to make connection between pump and tank, as shown in illustration, and according to blue print, diagram and instructions which we will furnish. Suction pipe from pump to well is not included.



OUTFIT NO. 2CF53900

"LAKESIDE" Pneumatic Water Supply System. Consists of one 24 in. by 6 ft. pneumatic tank tapped to stand vertically. Actual capacity of tank, 140 gallons. Working capacity, 100 gallons. One improved combination double acting air and water force pump, one water gauge complete, one pressure gauge, one compression drain cock, one 1 in. gate valve, one 1 in. check valve, necessary elbows, nipples and union, to make connection between pump and tank with fittings, according to diagram. Blue print and instructions furnished with each outfit.

We will also include one 3/4 in. lever handle stop cock for main water supply connection. Fittings and pipe will be cut and threaded ready for assembling, according to our diagram. All you need to set the outfit up is a pipe wrench. Shipping weight, 470 lbs.

2CF53900—Price, complete **\$36.95**

2CF53901—Price, complete, with tank galvanized inside and out **48.10**

OUTFIT NO. 2CF53902

"LAKESIDE" Pneumatic Water Supply System, as above. With 24 in. by 8 ft. vertical steel pneumatic tank. Actual capacity, 190 gallons. Working capacity, 130 gallons. Shipping weight, 545 lbs.

2CF53902—Price, complete **\$41.35**

2CF53903—Price, complete, with tank galvanized inside and out **57.90**

OUTFIT NO. 2CF53910

"LAKESIDE" Pneumatic Water Supply System, as above. With 30 in. by 6 ft. vertical black steel pneumatic tank. Actual capacity, 220 gallons. Working capacity, 160 gallons. Shipping weight, 660 lbs.

2CF53910—Price, complete **\$41.65**

2CF53911—Price, complete, with tank galvanized inside and out **61.75**

OUTFIT NO. 2CF53912

"LAKESIDE" Pneumatic Water Supply System, as above. With 30 in. by 8 ft. vertical black steel pneumatic tank. Actual capacity, 295 gallons. Working capacity, 200 gallons. Shipping weight, 775 lbs.

2CF53912—Price, complete **\$49.15**

2CF53913—Price, complete, with tank galvanized inside and out **70.55**

OUTFIT NO. 2CF53914

"LAKESIDE" Pneumatic Water Supply System, as above, with 36 in. by 6 ft. vertical steel pneumatic tank. Actual capacity, 315 gallons. Working capacity, 225 gallons. Shipping weight, 860 lbs.

2CF53914—Price, complete **\$50.50**

2CF53915—Price, complete, with tank galvanized inside and out **73.20**

OUTFIT NO. 2CF53916

"LAKESIDE" Pneumatic Water Supply System, as above. With 36 in. by 8 ft. vertical steel pneumatic tank. Actual capacity, 420 gallons. Working capacity, 300 gallons. Shipping weight, 1,025 lbs.

2CF53916—Price, complete **\$58.50**

2CF53917—Price, complete, with tank galvanized inside and out **85.75**

\$43¹⁰ Horizontal Tank Water Supply System 190 Gallons' Capacity

For outfits of larger capacity, our horizontal tank "LAKESIDE" Pneumatic Water Supply System is always to be preferred. This outfit is the same as our vertical tank outfit, except that the tank is furnished with specially arranged tapings, so that it can be connected up to lie horizontally.

Tank may be mounted on brick or cement pier supports, or it may be buried in ground with end projecting through foundation wall of building into basement. This plan is often followed, a large pit being dug outside the building down to the basement level, where a hole is put through the foundation wall, and the end of the tank projected through about 6 in. The wall is then carefully bricked up and the excavation filled in. With a tank installed in this way, you have absolute perfection in a water supply system for the home.

Water is always cool and refreshing in Summer, just as cool as if it came fresh from the well; and in the Winter time there is no danger of freezing, as the tank will be well below the frost line. While the expense attached to an arrangement of this kind is greater than placing the tank openly in the basement, it is entirely a matter of a little extra labor and involves no expense so far as the material required is concerned. The water gauge is placed on the front end of the tank, as shown in illustration.

Each outfit is furnished complete with pressure tank, combination air and water pump, all necessary valves, gauges, connections, etc., to connect pump with tank, as shown. Pipe required to connect pump with well or cistern, or tank supports is not included.



Every Outfit Guaranteed to give perfect satisfaction

OUTFIT NO. 2CF53904

"LAKESIDE" Pneumatic Water Supply System. Consists of one 24 in. by 8 ft. horizontal black steel pneumatic tank. Actual capacity, 190 gallons. Working capacity, 130 gallons. One improved combination double acting air and water force pump, one water gauge complete, one pressure gauge, one compression drain cock, one 1 in. gate valve, one 1 in. check valve, necessary elbows, nipples and union to make connection between pump and tank, with fittings according to diagram. Blue print and instructions furnished with each outfit.

We will also include one 3/4 in. lever handle stop cock for main water supply connection. Fittings and pipe will be cut and threaded ready for assembling, according to our diagram. All you need to set the outfit up is a pipe wrench. Shipping weight, 575 lbs.

2CF53904—Price, complete **\$43.10**

2CF53905—Price, complete, with tank galvanized inside and out **59.75**

OUTFIT NO. 2CF53906

"LAKESIDE" Pneumatic Water Supply System, as above. With 24 in. by 10 ft. horizontal steel pneumatic tank. Actual capacity, 235 gallons. Working capacity, 170 gallons. Shipping weight, 655 lbs.

2CF53906—Price, complete **\$44.30**

2CF53907—Price, complete, with tank galvanized inside and out **63.65**

OUTFIT NO. 2CF53908

"LAKESIDE" Pneumatic Water Supply System, as above. With 30 in. by 8 ft. horizontal steel pneumatic tank. Actual capacity, 295 gallons. Working capacity, 200 gallons. Shipping weight, 810 lbs.

2CF53908—Price, complete **\$51.50**

2CF53909—Price, complete, with tank galvanized inside and out **72.75**

OUTFIT NO. 2CF53918

"LAKESIDE" Pneumatic Water Supply System, as above. With 30 in. by 10 ft. horizontal steel pneumatic tank. Actual capacity, 365 gallons. Working capacity, 250 gallons. Shipping weight, 925 lbs.

2CF53918—Price, complete **\$56.80**

2CF53919—Price, complete, with tank galvanized inside and out **81.60**

OUTFIT NO. 2CF53922

"LAKESIDE" Pneumatic Water Supply System, as above. With 36 in. by 8 ft. horizontal steel pneumatic tank. Actual capacity, 420 gallons. Working capacity, 300 gallons. Shipping weight, 1,060 lbs.

2CF53922—Price, complete **\$61.15**

2CF53923—Price, complete, with tank galvanized inside and out **88.35**

OUTFIT NO. 2CF53924

"LAKESIDE" Pneumatic Water Supply System, as above. With 36 in. by 10 ft. horizontal steel pneumatic tank. Actual capacity, 525 gallons. Working capacity, 360 gallons. Shipping weight, 1,220 lbs.

2CF53924—Price, complete **\$68.50**

2CF53925—Price, complete, with tank galvanized inside and out **100.40**

These outfits are shipped from our factory in Eastern Illinois.

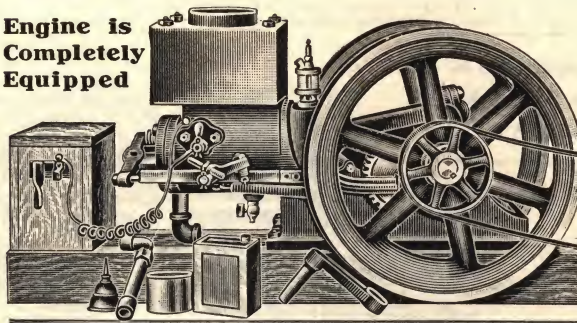
GASOLINE ENGINE DRIVEN ENGINE OUTFITS

\$92.90 BUYS THIS COMPLETE GASOLINE ENGINE DRIVEN
WATER SUPPLY SYSTEM

The Most
Practical
and
Satisfactory
Water
Supply
System
on
The Market

FULL Plans and instructions for installing furnished with every complete system. Every outfit absolutely guaranteed to work perfectly and give satisfaction in every respect, or your money will be cheerfully refunded.

Engine is
Completely
Equipped



FOR DEEP OR SHALLOW WELLS

This outfit can be used for pumping water from deep or shallow wells or cisterns, and will work just as well in narrow tubular wells as in dug or open wells. There is not a single condition to be met with in pumping water from wells or cisterns which this outfit is not fully able to meet.

Will take water from the deepest wells and force it into pneumatic pressure tank, which may be located in basement of residence or elsewhere, and the water drawn off for use as wanted. Automatic water relief valve, shown in illustration, absolutely prevents excess pressure, no matter how long engine is left running. A few minutes' pumping each day will supply all the water necessary for the ordinary household. For general farm purposes, such as watering stock, etc., a larger tank should be ordered; and it will then, of course, be necessary to run engine longer, depending upon how much water is used, and what size tank is to be filled.

WATER RELIEF VALVE

THIS PIPE IS LAID BELOW FROST LINE UNDER GROUND

THE ENGINE is one of the finest, sturdiest, and easiest running little gasoline engines on the market. It is absolutely dependable. This engine is known as our "DAIRY MAID" Engine, regularly listed in our catalogue. It is of very simple construction, easy starting, and is as simple to operate and easy to take care of as a sewing machine.

Cylinder bore, 3½ in. by 4 in. stroke. Normal speed of engine, 500 revolutions per minute. Rated one horse power. Driving pulley is 4 in. in diameter, with 4 in. face. Each engine is furnished complete with batteries, spark coil, gasoline tank, needle gasoline feed valve, and is mounted on skids, all complete, ready for immediate starting when it reaches you.

Full detailed instructions for starting and operating packed in battery box of each engine. Every engine fully guaranteed.

THE PUMP furnished with this outfit is a heavily built, three-way, anti-freezing, deep well force pump, with windmill head, to which pump jack can be readily attached. This pump can be used in open, drilled, or tubular well.

It is fitted with three-way distributing valve, so that water can be drawn at spout of pump, which is fitted with hose connection; or it can be directed through underground piping to pneumatic storage tank in basement of residence, any distance away.

Pumps water from any depth well by simply lowering cylinder down below water line, as shown in illustration. One of the strongest and most substantially built pumps on the market.

THE PUMP JACK is our No. 3 Pump Jack, back geared 13 to 1, bringing the speed down to match the driving speed of the engine. Can be belted direct to engine, as shown in illustration. Has two sets of driving gears, which give it double strength. It is without any question the highest grade pump jack that we could offer you at any price.

THE TANK furnished with this outfit is one of our "LAKESIDE" Pneumatic Water Storage Tanks, same as is used on all our regular "LAKESIDE" water supply systems. Tanks are very strongly built, of 3/16 in. sheet steel with 5/16 in. heads.

Tank is tested to 125 lbs. pressure. Horizontal seams are double riveted. All seams are very carefully calked, and tank is tested out and guaranteed absolutely air tight before leaving factory. Can be furnished with tappings to stand vertically or to lie horizontally. In ordering, be sure to state which style of tank is wanted. Horizontal tank always furnished unless otherwise requested.

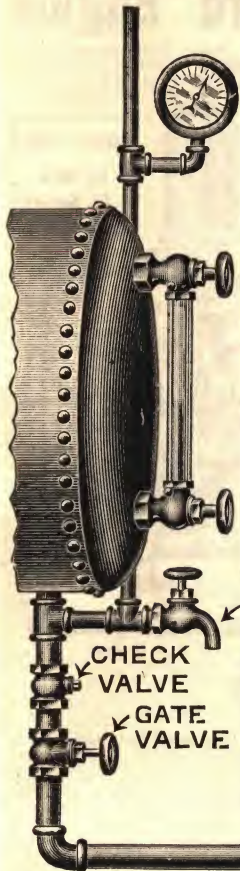
THE OUTFIT is furnished complete with all valves and gauges, as shown in illustration. Also one 2½x12 in. brass-lined pump cylinder, jack with engine. No piping, pipe fittings or pump rod are included. These will come extra, and the amount required will depend upon depth of well and distance between well and tank.

Outfit is easily installed. Any mechanic (or handy man) who can thread and cut pipe can do the work.

Cat. No.	Weight Engine lbs.	Weight Pump lbs.	Weight Pump Jack lbs.	Weight Tank lbs.	Weight Fittings lbs.	Diameter Tank in.	Length Tank ft.	Total capacity gals.	Working capacity gals.	Price out- fit com- plete as described
3CF8202	225	110	125	700	50	30	8	295	175	\$ 92.90
3CF8201	225	110	125	870	50	30	10	365	250	98.90
3CF8200	225	110	125	1050	50	36	10	525	375	110.90

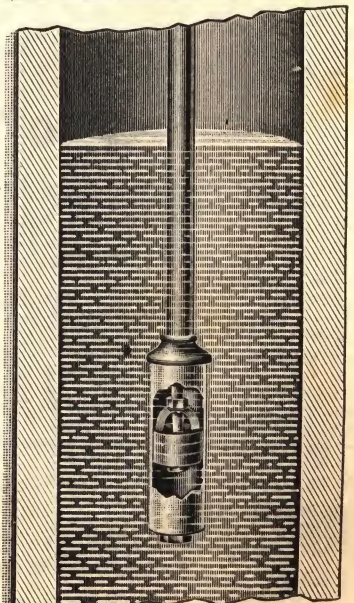
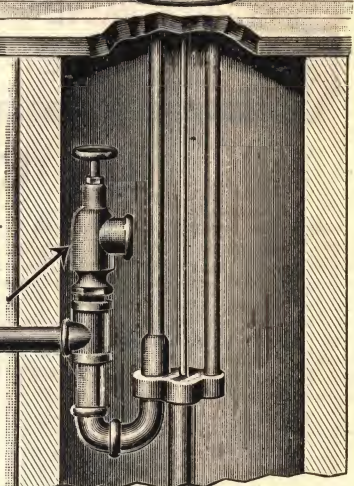
NOTE—Engine, Pump, and fittings will go promptly from Kansas City. Tank is shipped from factory in Central Illinois. Pump jack is shipped from Kansas City.

NOTE—Pump is furnished with 2½x12 in. brass-lined cylinder, unless otherwise ordered. Pump jack is adjusted for 5 in. stroke.



DRAIN COCK

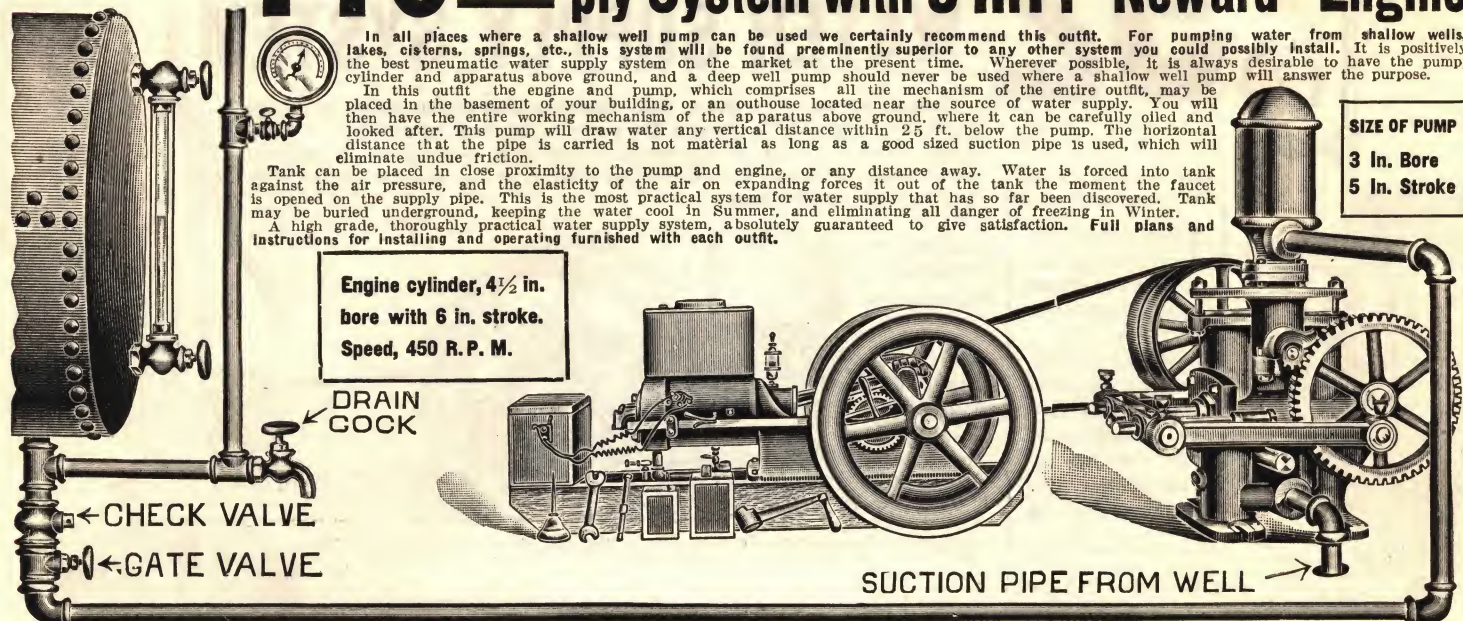
CHECK
VALVE
GATE
VALVE



"MUNICIPAL JUNIOR" PNEUMATIC WATER SUPPLY SYSTEM

For Pumping Water From Shallow Wells and Cisterns, Lakes, Springs, Etc.

ONLY \$146.00 For this Complete Pneumatic Water Supply System with 3 H.P. "Neward" Engine



The Engine

The engine furnished with this outfit is our regular 3 H. P. "NEWARD" Gasoline Engine. This engine is the very foundation on which we have built our great gasoline engine business. In mechanical design, workmanship and quality of material, it represents the very top notch of gasoline engine perfection.

A sure and easy starter, well balanced, steady running and unflinchingly powerful. An engine that you can depend upon to develop its full rated horse power under constant load, whether it runs for five days or five minutes. It is hopper water cooled, with full water circulation around entire cylinder head as well as cylinder body, rendering overheating absolutely impossible. Both exhaust and inlet valves are mounted in Water Cooled head, insuring absolutely tight closing, even wear and free accessibility.

The engine is strong and substantially built, of the very best material. The mechanical construction is very simple. A woman can easily start and run this engine without the least difficulty. The engine is furnished complete with batteries and spark coil. Equipment includes 1 qt. can "NEWARD" gas engine oil; one zinc oil can; one 1 lb. can of "NEWARD" cup grease; and two double end wrought steel wrenches.

Full directions for starting and operating packed with each engine. Engine is absolutely guaranteed to develop its full 3 H. P. under brake test. Diameter of cylinder, 4 1/2 in., with 6 in. stroke. Normal speed, 400 revolutions per minute. Size of driving pulley, 6 in. diameter by 5 in. face. Shipping weight, approximately, 470 lbs.

The Tank

The tanks furnished on these different size outfits are our regular "LAKESIDE" Pneumatic Steel Air Pressure Tanks. Made of 3/16 in. sheet steel, with 5/16 in. heads. The steel used in the construction of these tanks has a tensile strength of 60,000 lbs. to the square inch. Tanks are very strongly built, with double riveted horizontal seams, and are fully tested under 125 lbs. air pressure. Guaranteed air tight and perfect before leaving the factory.

Tanks on these outfits, owing to their large capacity, are all tapped to lie horizontally. We can, however, furnish tank with tappings to stand vertically, if desired. Tank may be mounted on brick or cement piers, or buried in ground with front end projecting through foundation wall of basement, as shown in above illustration. When installed in this way with a tank buried in the ground below the frost line, it makes one of the most perfect water supply systems that could possibly be devised. The water will always be cool and refreshing in Summer, and safe from freezing in Winter. An absolutely reliable supply of water always available.

The Pump

The pump will be one of our "GEYSER" (Senior), double-acting piston, belt-driven power pumps. This is one of the most perfectly designed power pumps on the market at the present time. This pump is guaranteed to pump against any head of water up to 75 lbs. pressure per square inch, which is equal to a water head of 175 ft. elevation. It is an ideal shallow well pump for pumping water from lakes, rivers, shallow wells or springs.

There is not a better pump manufactured. Furnishes a constantly flowing stream, of large capacity. A few minutes' pumping will supply all the water required for the ordinary household during one entire day.

Pump is equipped with our special air cylinder attachment, by means of which a correct proportion of air is pumped into the pneumatic storage tank, along with the water, to make up for the loss of air which occurs in the tank by absorption. Pump is very strong and substantially built, and is back geared 5 to 1. Equipped with tight and loose pulleys, 15 in. in diameter by 2 1/2 in. face. Pump has large cast iron air chamber, mounted on top, as shown in illustration, and is connected to body of pump with bolted flange connection, as shown. Pump is equipped with large rubber disc valves on bronze grid seats, held in place by strong coil springs.

The cylinder is brass lined, and provided with large suction valves just below the cylinder bore. The pump is very carefully designed so that all parts are easily accessible. It is of very heavy construction throughout, and there is nothing about it to get out of order or give trouble.

Pump may be connected directly to driving pulley of engine, as shown in illustration. Weight of pump, crated for shipment, 280 lbs. Size of cylinder bore, 3 in. with 5 in. stroke. Capacity, 12 gallons per minute, against pressure head of 75 lbs. per square inch. Each pump fully tested and guaranteed in perfect working order before shipment.

The Fittings

We will include with this pneumatic water supply system all necessary valves, gauges, etc., such as water gauge with gauge glass; gauge cocks and guard rods, etc.; pressure gauge; drain cock; one 1 1/4 in. gate valve and one 1 1/4 in. check valve, as shown. We will also include not to exceed 16 ft. of double-ply stitched canvas belt, for transmitting power from engine to pump. We will not furnish any of the piping, or pipe fittings required to make connections. The amount of these fittings and this piping required will vary in different installations, and we have, therefore, omitted it.

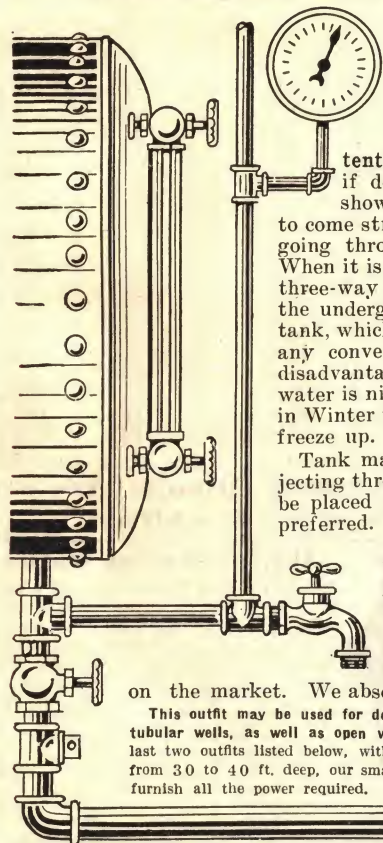
When you send your order, let us know where the pump and engine will be located, how far away the tank will be placed, and how far it will be from the pump to your well or cistern where the supply of water is obtained. With a sketch or diagram giving us this information we will have our engineers make whatever additions that are necessary to your order, including the proper amount of piping, pipe fittings, etc., and this will be added to your order at our net Catalogue prices. Full diagram, plans and instructions, covering the entire installation of this system, are furnished with every outfit.

Cat. No.	H. P. Engine	Bore	Stroke	Speed R. P. M.	Capacity pump gals. per minute	Size suction	Size discharge	Size tank	Actual capacity gals.	Working capacity	Weight tank	Price, outfit complete
3CF8205	2	4 1/2	5	500	12	1 1/2	1 1/2	30x10	365	275	870	\$146.00
3CF8206	2	4 1/2	5	500	12	1 1/2	1 1/2	36x10	525	375	1050	158.00
3CF8207	2	4 1/2	5	500	12	1 1/2	1 1/2	36x12	630	500	1200	164.00

NOTE—Tank is shipped from factory in Southern Illinois. Engine is shipped from Kansas City Warehouse. Pump is shipped from Northern Illinois.

WINDMILL DRIVEN WATER SUPPLY SYSTEMS

With 30-Foot Tower, 8-Foot Wheel, Pump, Tank and All Trimmings **\$98⁹⁰**



The Ideal Water Supply System for country homes. Windmill keeps tank constantly supplied with water. After outfit is once installed and properly connected up it requires practically no attention. Water may be drawn at pump spout, if desired, by simply opening three-way valve shown in illustration. This allows the water to come straight up to the pump spout, instead of going through the underground pipe to the tank. When it is desired to pump the water to the tank this three-way valve is closed and the water goes through the underground pipe into the pneumatic air pressure tank, which may be located in basement of building or any convenient place, any distance away. All the disadvantages of the elevated tank are overcome. The water is nice and cool, and refreshing in Summer, and in Winter time there is no possible chance for it to freeze up.

Tank may be buried in ground with front end projecting through foundation wall of cellar, or it may be placed in basement, mounted on cement piers, as preferred. Burying the tank in the ground has the advantage of keeping the water very cool in the Summer time; in fact, it will be just as cool as if it came fresh from the well.

This is one of the most practical and serviceable Water Supply Systems for the country home that was ever placed

on the market. We absolutely guarantee it to give satisfaction.

This outfit may be used for deep or shallow wells. It can be fitted for the narrowest tubular wells, as well as open wells. For real deep wells we recommend either of the last two outfits listed below, with 40 ft. tower and 10 ft. windmill wheel. For wells from 30 to 40 ft. deep, our smaller size outfit, with 30 ft. tower and 8 ft. wheel, will furnish all the power required.

Windmill and Tower

The windmill furnished with this outfit is our "Improved Clipper" Galvanized Steel Windmill, fully illustrated and described on Page 59 of this book. This windmill is without a doubt one of the finest and most substantially made mills ever placed on the market. It is of heavy construction, heavily galvanized, strong and substantially built, and equipped with the very latest improved driving mechanism. It has an automatic wind governor, which automatically regulates the position of the wheel in the wind, according to the power required, so that the wheel is thrown full in the face of the light winds. In heavy winds, which would cause the wheel to obtain too high a velocity, the wheel is thrown at an angle, so that just the proper velocity is always maintained.

Governor is adjustable, so that you can readily set it to get the best results from the prevailing winds in your section of the country. Effectual brake mechanism operated through the governor spring, automatically holds the wheel, when locked, out of the wind.

The tower furnished with each mill is one of our regular "Clipper" towers, one of the strongest and most substantial towers manufactured. A full description, with illustration showing construction of tower, will be found on Page 59 of this book. All parts of tower and wheel are heavily galvanized throughout.

Outfit is furnished with necessary wood pump pole for connecting mill to pump. We absolutely guarantee this mill and tower to stand up in any storm that does not damage surrounding buildings, trees or windmills. This guarantee is in force for one year from date of purchase.

The Pump

The pump will be one of our three-way, anti-freezing, deep well force pumps, for windmill attachment. It is fitted with three-way distributing valve, so that water may be drawn from spout of pump or directed through underground pipe to pneumatic storage tank, any distance away. One of the strongest and most substantially built pumps on the market.

The Tank

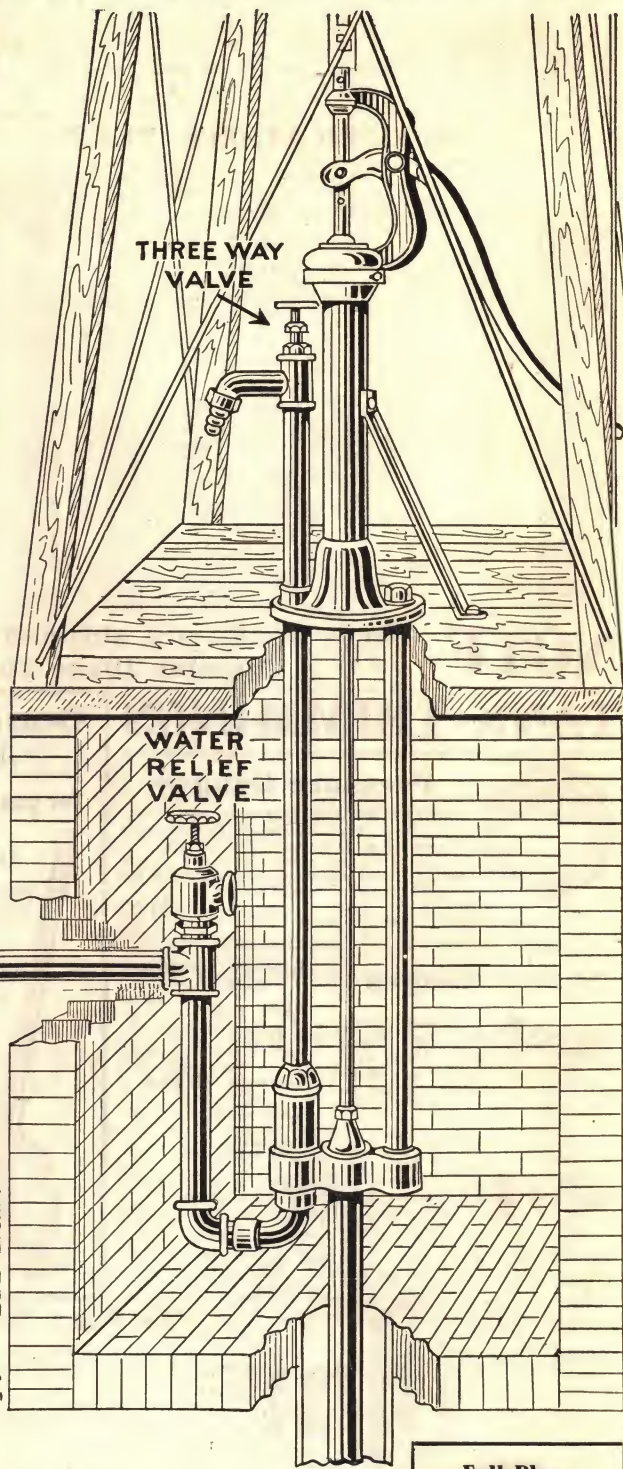
The tank included in this equipment is one of our "LAKESIDE" Pneumatic Water Storage Tanks, same as used on all our regular "Lakeside" water supply systems. Tanks are strongly built, with double riveted horizontal seams, tested to 125 lbs. air pressure, and guaranteed absolutely air tight and perfect before leaving the factory. Tanks are guaranteed for a working pressure of 75 lbs.

The outfit is furnished complete, with necessary trimmings for tank, such as water gauge, pressure gauge, drain cock, gate valve, and check valve, and also water relief valve to prevent any possibility of excess pressure being developed in the tank. The amount of piping and fittings required will vary in different installations. We have not included any pipe or fittings in this equipment, neither have we included the necessary pipe or pump rod to extend cylinder into well. The amount of this required will depend upon depth of well.

We will, however, include one pump cylinder, size 2 1/2 x 12 in., with brass lining, and the necessary valves and connections for air intake attachment, so that the proper proportion of air will be pumped with water into tank.

Cat. No.	Size of wheel ft.	Weight of wheel lbs.	Height of tower ft.	Weight of tower lbs.	Weight of tank lbs.	Weight of fittings lbs.	Diameter of tank in.	Length tank ft.	Total capacity gals.	Working capacity gals.	Price outfit complete as described
3CFS210	8	380	30	535	700	50	30	8	295	175	\$ 98.90
3CFS211	10	470	40	700	870	50	30	10	365	250	118.90
3CFS212	10	470	40	700	1050	50	36	10	525	375	123.90

Tank and fittings, from factory in Central Illinois. Windmill and Tower from Southern Wisconsin. Pump Cylinder and Water Relief Valve from Kansas City.



Full Plans
and
Instructions
for
Installing
and Operating
Furnished
with Every
Outfit



STEEL PNEUMATIC TANKS

FOR WATER
SUPPLY SYSTEMS

OUR TANKS ARE GUARANTEED—EVERY TANK CAREFULLY TESTED

Our Steel Pneumatic Tanks, listed below, are absolutely guaranteed for a working pressure of 75 lbs. These tanks are constructed of the very best quality rolled sheet steel, which has a tensile strength of 60,000 lbs. to the square inch. The tanks are very carefully made, and are guaranteed full weight, according to specifications given below. Horizontal seams are double riveted. Every tank is subjected to an air pressure test of 125 lbs. before leaving the factory. Our tanks are guaranteed air tight and perfect in every way.

We can furnish these tanks with tapplings, arranged for the tank to stand vertically or lie horizontally. In ordering be sure to state which style tapplings are wanted. When tank stands

vertically, water gauge tapplings are placed on side. On the horizontal tanks, the water gauge tapplings are in the concave head.

These tanks can also be used for gasoline or oil storage, etc. Considering the very high quality of workmanship and material used in their manufacture, we know that the very low prices at which we are offering these tanks cannot be duplicated elsewhere in the country. We have these tanks all in stock at our factory in Central Illinois, ready for prompt shipment. We can furnish any of the different sizes listed below on short order.

SPECIFICATIONS—PLAIN

Cat. No.	Diameter in Inches	Length in Feet	Thickness		Weights	Capacity in Gallons	Working Capacity in Gallons	Price for Black Tank Only
			Shell	Heads				
3CF8220	24	5	3-16	5-16	425	120	80	\$ 23.95
3CF8221	24	6	3-16	5-16	445	145	100	24.65
3CF8222	24	7	3-16	5-16	510	170	120	27.72
3CF8223	24	8	3-16	5-16	560	195	130	28.95
3CF8224	24	10	3-16	5-16	675	245	165	29.75
3CF8225	30	5	3-16	5-16	495	180	120	28.46
3CF8226	30	6	3-16	5-16	560	220	150	31.45
3CF8227	30	7	3-16	5-16	625	255	170	33.00
3CF8228	30	8	3-16	5-16	700	295	190	37.35
3CF8229	30	10	3-16	5-16	870	365	245	43.35
3CF8230	36	5	3-16	5-16	1200	440	295	48.90
3CF8231	36	6	3-16	5-16	1400	525	350	55.68
3CF8232	36	7	3-16	5-16	1650	630	420	59.95
3CF8233	36	8	3-16	5-16	1850	720	480	67.40
3CF8234	36	10	3-16	5-16	2200	865	580	77.40
3CF8235	42	5	3-16	5-16	1450	575	385	57.40
3CF8236	42	6	3-16	5-16	1650	675	450	63.75
3CF8237	42	7	3-16	5-16	1900	795	530	68.32
3CF8238	42	8	3-16	5-16	2200	940	620	73.35
3CF8239	42	10	3-16	5-16	2600	1130	750	83.32
3CF8240	48	5	3-16	5-16	1850	720	480	67.40
3CF8241	48	6	3-16	5-16	2100	840	560	73.35
3CF8242	48	7	3-16	5-16	2400	1000	670	83.32
3CF8243	48	8	3-16	5-16	2650	1130	750	88.35
3CF8244	48	10	3-16	5-16	3100	1360	910	103.30
3CF8245	48	12	3-16	5-16	3600	1580	1050	117.45
3CF8246	48	14	3-16	5-16	4050	1800	1200	130.90
3CF8247	48	16	3-16	5-16	4500	2020	1350	149.20
3CF8248	48	20	3-16	5-16	5400	2430	1620	187.00
3CF8249	48	24	3-16	5-16	6300	2840	1900	217.75

SPECIFICATIONS—GALVANIZED

Cat. No.	Diameter in Inches	Length in Feet	Thickness		Weights	Capacity in Gallons	Working Capacity in Gallons	Price for Galvanized Tank Only
			Shell	Heads				
3CF8275	24	5	3-16	5-16	425	120	80	\$ 35.20
3CF8276	24	6	3-16	5-16	445	145	100	36.70
3CF8277	24	7	3-16	5-16	510	170	120	40.32
3CF8278	24	8	3-16	5-16	560	195	130	43.00
3CF8279	24	10	3-16	5-16	675	245	165	48.50
3CF8280	30	5	3-16	5-16	495	180	120	42.96
3CF8281	30	6	3-16	5-16	560	220	150	45.50
3CF8282	30	7	3-16	5-16	625	255	170	48.00
3CF8283	30	8	3-16	5-16	700	295	190	57.50
3CF8284	30	10	3-16	5-16	870	365	245	63.00
3CF8285	36	5	3-16	5-16	1200	440	295	75.50
3CF8286	36	6	3-16	5-16	1400	525	350	86.40
3CF8287	36	7	3-16	5-16	1650	630	420	92.50
3CF8288	36	8	3-16	5-16	1850	720	480	100.50
3CF8289	36	10	3-16	5-16	2200	865	580	117.45
3CF8290	42	5	3-16	5-16	1450	575	385	89.50
3CF8291	42	6	3-16	5-16	1650	675	450	99.50
3CF8292	42	7	3-16	5-16	1900	795	530	109.50
3CF8293	42	8	3-16	5-16	2200	940	620	125.50
3CF8294	42	10	3-16	5-16	2600	1130	750	143.50
3CF8295	48	5	3-16	5-16	1850	720	480	154.50
3CF8296	48	6	3-16	5-16	2100	840	560	164.50
3CF8297	48	7	3-16	5-16	2400	1000	670	179.50
3CF8298	48	8	3-16	5-16	2650	1130	750	191.50
3CF8299	48	10	3-16	5-16	3100	1360	910	222.50
3CF8300	48	12	3-16	5-16	3600	1580	1050	260.50
3CF8301	48	14	3-16	5-16	4050	1800	1200	289.50

NOTE These Tanks are shipped direct from our factory in Central Illinois. We can furnish these Tanks with manholes in heads at \$10.00 extra

TANK TRIMMINGS



Pressure Gauges

3C55554—Pressure gauges for water supply systems. These gauges are for registering pressure up to 100 lbs. Japanned iron case with brass rim and glass. Single spring type carefully tested and guaranteed accurate. For 1/4-inch iron pipe connection.

Size, 3 1/2 in.	Weight, 2 lbs.	Each.....	\$1.30
Size, 4 1/2 in.	Weight, 3 lbs.	Each.....	1.35
Size, 5 in.	Weight, 4 lbs.	Each.....	1.40

Water Gauges



3C55563—With Solid Brass Gauge Cocks, highly polished, as illustrated. For use in connection with our pneumatic water supply systems. Can also be used on high or low pressure steam boilers, or any place where a water gauge is used. Gauge cocks are for 1/2 in. iron pipe thread. Glass, 1/2 x 12 in. Weight, complete, 2 1/2 lbs.

Each	\$1.30
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Gauge Cocks



3C55557 Brass Gauge Cock, as illustrated. For 1/2 in. iron pipe connection. Each.....

Gauge Glass

3C55571 Scotch Glass Tubes. For water gauges 1/2 in. outside diameter. Length, 12 inches.....8c
Per doz.....49c
Length, 14 inches.....8c
Each.....57c
Per doz.....57c
Length, 15 inches.....9c
Each.....61c
Per doz.....61c
In ordering, be sure to state size wanted.

Double Cylinder Hand Air Force Pump

For pumping air into Water Supply Systems, Automobile Tires, etc. **\$8.75**

3CP55945—Double Acting Hand Air Force Pump, like illustration. One of the most efficient hand air force pumps ever placed on the market. This pump throws a large, continuous volume of air, and will develop a pressure up to 100 lbs. Strongly built, finely finished, and well made in every way. The workmanship on this pump is practically perfect. Cylinders are made of heavy, solid brass seamless tubing, with brass caps mounted on trunnions on cast iron base, as shown. Cylinders oscillate with large handle, and are connected with flexible rubber tube, so that they both discharge into a common outlet. Pumps air on every stroke, both forward and backward. Makes an ideal pump for testing purposes, and for use in connection with pneumatic water supply systems. As an automobile tire pump, it is unsurpassed. If used as a tire pump it will be necessary to order hose extra. (See note below.) Absolutely guaranteed to give satisfaction. Fitted for 1/4 in. iron pipe connection. Weight, 4 1/2 lbs. **\$8.75** Each

NOTE—Above pump can be furnished with flexible extension hose, with thumb screw thread for attachment to tire valve, for pumping up automobile tires at 75c extra.

Geyser Senior Power Pumps

The Geyser Senior makes an ideal outfit for pumping of almost any kind up to 75 lbs. pressure per square inch, or elevating water 175 ft. It can be used for general water supply, including tank pumping for farms, country estates, railroad water station, irrigation, etc. It can also be used for pumping light oils, such as kerosene, and for spraying trees. It furnishes a ready method of pumping water from lakes, rivers, springs or wells to elevated tanks, and furnishes a constant and abundant supply for the house and barn.

The two smaller sizes, 3x5 and 4x5, can be equipped with special air cylinder, for use with pneumatic water supply system. The design of this pump is such that you can get at every part of it without taking down the piping. It is equipped with large rubber disc valves on ground bronze seat, with cylindrically wound springs.

The cylinder is brass lined and provided with large suction valves just below the bore of the cylinder.

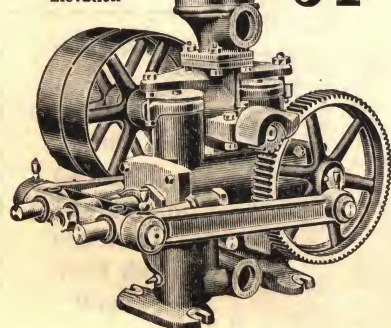
GEARING is all machine cut. Pump is geared 5 to 1 in all sizes. Dimensions, speed, capacity, prices, Geyser Senior Power Pump are given below:

Cat. No.	Pistons		Capacity per Min. Gal.	Size Pipe		Tight and Loose Pulleys Inches	Weight Lbs.	Price F. O. B. Factory Illinois
	Diam.	Stroke		Suction Inches	Disch. Inches			
3EF50222	3	5	12	1 1/2	1 1/2	15x2 1/2	280	\$34.75
3EF50224	4	5	21	2	2	15x3	325	43.90
3EF50226	5	5	33	2 1/2	2 1/2	16x4	500	56.75
3EF50228	6	6	57	3	3	20x4	645	66.85

PRICES OF AIR CYLINDER FOR EITHER 3X5 OR 4X5-INCH PUMP
3EF50229—Special Air Cylinder Attachment complete, including pipe connections. Shipping weight, 30 lbs. Extra.....\$10.75

Double Acting Piston Pumps

For 75 Lbs. Pressure or 175 Feet Elevation



\$34.75

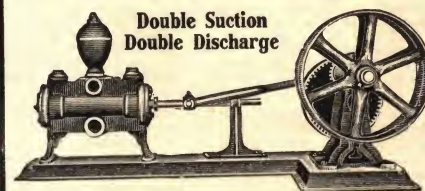


Water Relief Valve

3C55548—Solid Bronze Water Relief Valve, as illustrated. With hand wheel attachment, for regulating the pressure at which the valve automatically discharges water. This valve is used in connection with power pumps, windmill driven pumps, etc., or on water supply systems where water is discharged in tank against pressure. A valve of this kind is absolutely essential on any power driven outfit. Prevents excess pressure being developed in tank. Set at factory to blow off at 100 lbs. Can be adjusted by turning wheel for other pressures.

Pipe size, 3/4 in.	Weight, 1 1/2 lbs.	Each.....	\$2.47
Pipe size, 1 in.	Weight, 2 1/2 lbs.	Each.....	3.05
Pipe size, 1 1/4 in.	Weight, 4 lbs.	Each.....	3.80
Pipe size, 1 1/2 in.	Weight, 4 1/2 lbs.	Each.....	4.55
Pipe size, 2 in.	Weight, 8 lbs.	Each.....	6.80

\$17.50 Geyser Junior Power Pumps



For Use Wherever a Reliable Pump is Needed

GEYSER JUNIOR POWER PUMP. DOUBLE SUCTION; DOUBLE DISCHARGE. Especially adapted to elevating water into storage tanks, supplying water to residences, pumping oil, and all general pumping requirements.

When driven by a 1-H. P. Dairy Maid Gasoline Engine, makes a complete pumping plant, an excellent fire protection, as well as furnishing a sufficient quantity of water for light irrigation.

Mounted on heavy cast iron base. The shafts are 1 1/2 in. in diameter. All bearings are babbitted. The forked Pitman is malleable iron. Piston rod is brass-covered. Pump is brass lined, has brass valve seats, and valve is rubber faced. Drain cocks to prevent freezing.

Fitted with 1 1/2 in. suction and 1 1/4 in. discharge, on both sides.

3EF50231—Pump, geared, 3 to 1, tight and loose pulleys 1 1/2 in. in diameter; 2 1/2 in. face; cylinder, 3 1/2 in. Shipping weight, about 200 lbs. Capacity, 1,000 gallons per hour.

Price at factory, Eastern Illinois.....\$17.50

3EF50235—Pump, geared, 6 to 1, tight and loose pulleys 1 1/2 in. in diameter; 2 1/2 in. face. Shipping wt., 210 lbs. Otherwise same as above. Price at factory Eastern Illinois.....\$21.00

STEAM and HOT WATER HEATING PLANTS

The Best STEAM and HOT WATER HEATING PLANTS in the Country At Wonderfully Low Prices

We are in position to offer you a modern steam or hot water heating plant for your home, that will prove a most lasting comfort. Our Improved Giant Windsor Home Heating Boiler, illustrated below, is positively one of the best and most efficient home heating boilers ever placed on the market.

Why continue to put up with the endless annoyances of stove heat, with smoke, dust and gas continually floating through the atmosphere of your home, when for such a small investment you can purchase all the material required to install one of our modern heating systems? The labor of house cleaning will be cut in half. Your wall paper, curtains and furniture can more easily be kept clean and free from dust and dirt, and you will always have a nice, even temperature in every corner of every room in your home during the coldest Winter weather.

If you could once realize the great benefits derived from one of these modern systems, you would not be without one of our heating plants for another single Winter.

WE FURNISH PLANS AND INSTRUCTIONS FOR INSTALLING

Our modern heating systems are sold on practically the same conditions as all of our plumbing material. We sell you the material at a price which is very little above the actual cost of manufacture. We have a competent force of skilled heating engineers, whose entire time is devoted to the preparation of plans and instructions, etc., for our customers, showing them how to properly install their heating systems.

We furnish a complete set of these plans and instructions with every heating plant we sell, and if these plans and instructions are followed in the installation, we absolutely guarantee the heating plant to properly heat the building under all conditions of weather so that you take no chances whatever.

WE LOAN YOU THE TOOLS

If you have not the necessary tools for doing the work, we will gladly loan them to you, deducting only a small charge of 10% to cover the expense of handling. Everything about this work is clearly and simply explained in our plans and diagrams. Any ordinary mechanic can easily install one of these systems even without any previous experience whatever, if our plans and instructions are carefully followed. Anyone who can cut and thread iron pipe and screw it together can do this work.

WRITE FOR OUR ESTIMATE

Fill out one of our information blanks carefully. Give us all the details, answer all questions carefully, give us a diagram of each floor of your building, showing location of windows, doors, etc., as requested on our blank. Our engineers will prepare an estimate for you on one of our modern heating systems that we will guarantee to heat your building, and one that we will guarantee to give you satisfaction in every respect. Our very low estimate, with full specifications of the heating plant we propose to furnish, will be sent to you by return mail. Our prices mean a big saving to you. Do not place your order until you get our figures.



Every Heating Plant We Sell
is Absolutely Guaranteed

"ATLAS WINDSOR" WARM AIR FURNACES

Our Atlas Windsor Warm Air Furnace is one of the best home heating furnaces in the country. A highly efficient heater, a furnace that you can depend upon to heat every room in your house in which a register is placed, and to come up to its full rated capacity during the coldest weather that you will ever experience.

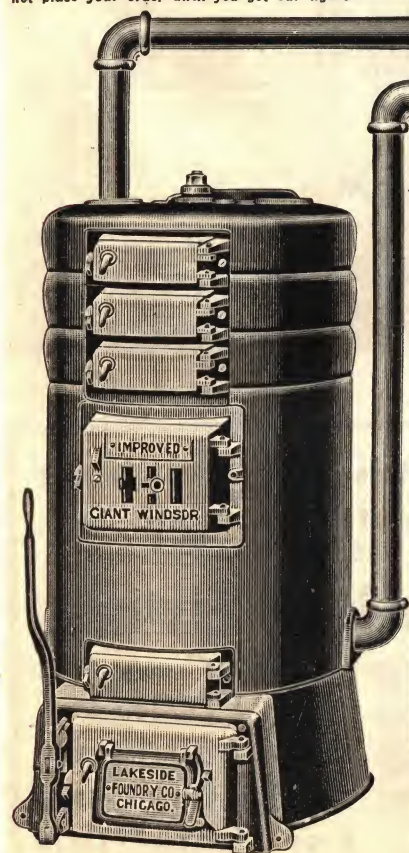
If you are thinking of installing a modern warm air heating system, be sure to get our estimate. We are in position to furnish you with all the necessary material required to completely install the entire plant, including registers, register boxes, and all pipes and connections. We furnish full plans and instructions for installing with every outfit. Any ordinary mechanic can easily install one of our warm air heating plants without the least trouble.

Every heating plant we sell is guaranteed to give you satisfaction or you can return it at our expense and we will refund your money in full, together with all freight charges you have paid.

Write Today for Our SPECIAL HEATING CATALOGUE "Modern Home Heating"

Our Special Heating Catalogue, "Modern Home Heating," tells all about our great heating proposition. Fully illustrates and describes our complete line of heating boilers, warm air furnaces, pipe valves, fittings, etc. Shows you how you can install your own heating system at a saving of 30 to 50 per cent over your local dealer's price.

This book contains much valuable information on every phase of the home heating question. Write today for a free copy of this very interesting book. We are anxious to send you a copy whether you wish to order or not. Postpaid, to any address.



COMPLETE PLUMBING OFFER NO. 1

\$86.50

OUTFIT COMPLETE

BUYS THIS

THE BATH ROOM OUTFIT

This is our regular "Colonial" Bath Room Outfit (3CP56305). For full illustration and detailed description of this outfit, see Page 9 of this book. Brief specifications of the fixtures are given below.

THE BATH TUB

Is a heavy cast iron, white enameled (guaranteed) tub. Length, 5 ft. Full set nickel plated trimmings. Fitted for iron pipe connection.

THE LAVATORY

Is a beautiful, artistically designed fixture. Deep apron, with high back. All nickel plated trimmings to the floor. Fitted for iron pipe connection.

THE CLOSET

Is a high grade, low tank, syphon wash-down closet combination, with oak tank and seat, nickel plated trimmings, fitted for iron pipe connection.

THE KITCHEN SINK

The kitchen sink is our 3CP56646, fully described and illustrated on Page 24 of this book. This sink is cast in one solid piece, with high back, and is equipped with detachable reversible enameled drain board. It is of heavy construction, with roll rim, genuine white porcelain enameled. Drain board is also white enameled to match sink.

It is one of the most sanitary kitchen sinks on the market. No seams to catch the dirt or rough places to injure the hands. Easy to clean and keep clean. Fitted complete, with trap to wall. Fuller flanged faucets and concealed wall hangers. All connections for Iron Pipe.

RANGE BOILER

We furnish a 30-gallon galvanized range boiler, as shown, and by making connection to the cast iron water front in your stove, you can keep a constant supply of hot water in this tank at all times, as long as there is any fire going in the stove.

The kitchen stove shown in illustration, and water front for same, are not included in this offer, as this is strictly a plumbing proposal.

The range boiler will be a 30-gallon galvanized range boiler, standard weight, furnished complete with stand, tube and couplings for iron pipe connection (our 3C56823), described and illustrated on Page 27 of this book.

PIPE AND FITTINGS

In addition to the above complete plumbing fixtures, we will furnish all necessary 4 inch standard cast iron soil pipe, soil pipe fittings, lead traps, connections, etc., lead bend for closet connection, calking lead, oakum, shut-off rod for water supply pipe where it enters building, in fact everything required to completely install this plumbing system, as shown in illustration on this page, from the ground line to the roof of the building, in a first-class sanitary manner, according to plans and instructions which we will furnish. We will not follow any special city ordinances, but will furnish a good sanitary system of plumbing, a system that we will fully guarantee to give satisfaction.

PLANS AND INSTRUCTIONS

This proposal also includes full set of detailed plans and instructions, showing just how all this material should be properly installed. All connections are for iron pipe. Any man handy with tools can easily install this plumbing system in any building by following our simple plans and instructions. We will also loan you the necessary tools for installing, as per our loan offer on Page 48 of this book.

NOTE

If your building is two stories high, and the bath room is located directly over the kitchen, so that closet outfit and kitchen sink may be connected into soil pipe stack, as shown in this illustration, and provided you already have connection to city water or a water supply system of some kind, then this proposal will fill your bill. Any slight difference in location of the fixtures will not alter the amount of piping required to any great extent.

You can order right from this page. Send us remittance, and diagram showing how you want fixtures placed. Order by catalogue number given below. We will prepare special plans to suit your particular requirements, and will ship the complete material accordingly. In case we find that this proposal is not adapted to your case, we will prepare a special estimate for you, and our special quotation will be sent by return mail. In most cases under the conditions given above, this proposal completely fills the requirements.

Order by this No. 3CF56091
Complete Plumbing System No. 1 **\$86.50**

Iron Pipe Connections Used Throughout—Any Ordinary Mechanic Can Easily Do this Work.

4X5 INCREASER

SHUT OFF ROD

CLEANOUT PLUG

TO SEWER OR CESS POOL

**Includes Everything
Required to Complete
the Installation of these
Plumbing Fixtures**

**From the Ground Line Up
— As Illustrated —**

**with Full Plans
and Instructions
For Installing**

COMPLETE PLUMBING OFFER NO. 2

\$106⁷⁵ BUYS THIS COMPLETE SYSTEM

THE BATH ROOM OUTFIT

Included in this offer is our "Colonial" Bath Room Outfit (3C56305), as illustrated and described on Page 9 of this book. This is one of our most popular bath room combinations of beautiful appearance, elegant design and a high grade outfit in every respect. Fixtures are all fitted for iron pipe connection.

THE KITCHEN SINK

The Kitchen Sink is our 3CP56646 one-piece, roll rim, cast iron, white porcelain enameled sink, with detachable reversible drain board, as shown in illustration (fully illustrated and described in detail on Page 24 of this book). A perfectly sanitary sink, easy to clean and keep clean. No sharp edges or corners to catch the dirt or injure the hands.

Sink is fitted with Fuller Flange Faucets, and lead "P" trap to wall for iron pipe connection.

THE RANGE BOILER

We furnish a 30-gallon galvanized iron range boiler, standard weight, fitted complete with stand, tub, and couplings for iron pipe connection (our 3CP56723), described on Page 27 of this book. Stove or water front are not included in this proposal.

ATTIC STORAGE TANK

The attic storage tank included in this offer is our 2EF53001, galvanized round storage tank, made of No. 20 United States Standard gauge steel, heavily galvanized. Diameter of tank, 4 ft.; height, 2 ft.; capacity, 6 barrels. Tank is strongly built and braced, and fully guaranteed. For illustration and further description see Page 62 of this book. This tank is shipped from Factory in Northern Ind.

THE PUMP

The pump included in this proposal is our 3CP55933, double acting force pump, with air chamber and brass-lined cylinder, as shown in illustration. For detailed specifications of this pump see Page 56 of this book.

PIPE AND FITTINGS

In addition to the above, we will furnish all necessary 4 inch soil pipe; soil pipe fittings; galvanized iron supply and waste pipe; galvanized iron pipe to connect pump with tank; a gate valve; check valve, etc.; all necessary lead traps and connections, etc. In fact, we will furnish everything required to completely install the fixtures described above, as shown in illustration, in a first-class sanitary manner, from ground line to roof, according to plans and instructions which we will furnish. We will include not to exceed 20 ft. of 1 1/4 inch galvanized iron pipe to connect pump with well or cistern.

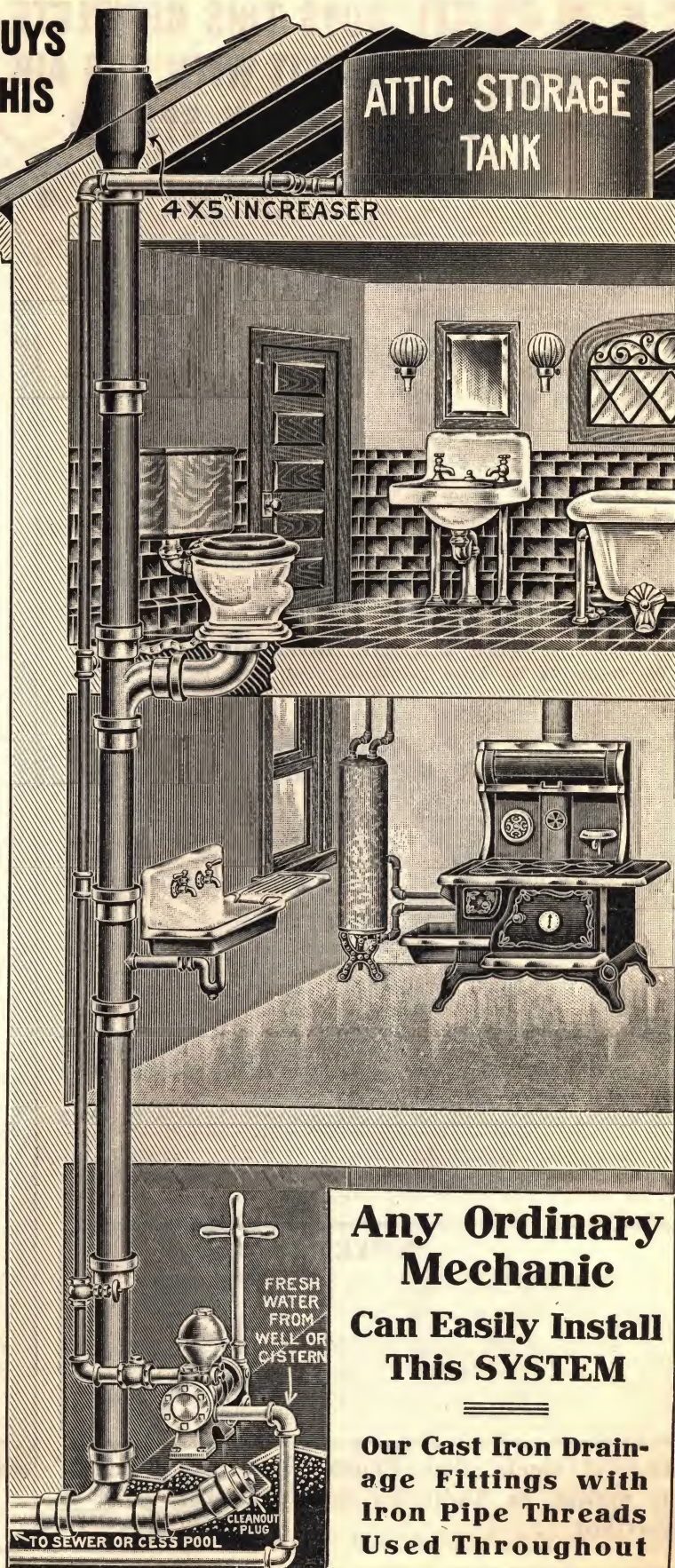
We will not follow any special city ordinances, but will provide a good sanitary system of plumbing, a system that we will fully guarantee to give satisfaction. All connections will be for iron pipe. No soldering or wiping of joints on the job. Any ordinary mechanic can easily do the work. Our cast iron drainage fittings will be used throughout in the waste piping system.

NOTE

The equipment included in this proposal is sufficient to cover the requirements of all ordinary jobs, where the bath room is located directly above the kitchen, as shown in this illustration, and where pump can be located in basement of building, with attic tank closely in line in the attic. If these fixtures are not too widely separated, requiring an extraordinary amount of piping, the material in this equipment will fulfill all your requirements.

You can order right from this page. Order by Catalogue number given below. Send us remittance, and diagram showing how you want to locate the fixtures. Any slight change in the general location of the fixtures will not alter the amount of material required. Our engineers will prepare special plans to suit your particular case. The order will be filled accordingly, the material shipped promptly, and a diagram and instructions will be mailed to you. If we find that your case is special, requiring more material than included in this Standard offer, our special estimate will be prepared and sent you by return mail.

Order by this No. 3CF56092
Complete Plumbing System, as described . . . **\$106.75**



**Any Ordinary
Mechanic
Can Easily Install
This SYSTEM**

**Our Cast Iron Drain-
age Fittings with
Iron Pipe Threads
Used Throughout**

COMPLETE PLUMBING OFFER-№ 3

\$142⁵⁰ BUYS THIS COMPLETE
OUTFIT WITH OUR AIR
PRESSURE WATER SUPPLY SYSTEM

THE BATH ROOM OUTFIT

Included in this offer is our "Colonial" Bath room Outfit (3CP56305), as illustrated and described on Page 9 of this book.

This is one of our most popular bath room combinations. It is of beautiful appearance, and elegant design. A high grade outfit in every respect. Fixtures are all fitted for iron pipe connection.

THE KITCHEN SINK

The Kitchen Sink is our 3CP56642, cast iron, white porcelain enameled, long back kitchen sink, with back and drain board all cast in one solid piece, as shown in illustration. One of the most sanitary kitchen sinks on the market. No seams or crevices to catch dirt and grease. Easily cleaned and kept clean.

Sink is of heavy roll rim construction, genuine white porcelain enameled, with a smooth and even finish. No sharp or rough places to injure the hands. Size of sink, 20x30 in. Length of drain, board, 24 in. Height of back, 12 in.

Sink is fitted with concealed wall hangers, Fuller flanged faucets, heavy cast iron end bracket for drain board support, and trap to the wall, for iron pipe connection, as shown. For further description see Page 24.

THE RANGE BOILER

We furnish a 30-gallon galvanized iron range boiler, standard weight, fitted complete with stand, tube and couplings for iron pipe connection (our 3CP56723), described on Page 27 of this book. Stove or water front are not included in this proposal.

THE WATER SUPPLY SYSTEM

We include with this outfit one of our 2HF53900 "Lakeside" pneumatic air pressure water supply systems. Size of tank, diameter, 24 in. by 6 ft. high. Total capacity, 140 gallons. Working capacity, 100 gallons. Outfit is furnished complete with tank, pump, valves, gauges, etc., as illustrated and described in detail on Page 34 of this book.

PIPE AND FITTINGS

In addition to the above, we will furnish all necessary cast iron soil pipe, soil pipe fittings, lead bends, traps, connections, etc., galvanized iron supply and waste pipe and fittings—in fact everything required to install this entire plumbing system with water works system, in building, from ground line to roof, as shown in illustration, and according to plans and instructions which we will furnish. We will include not to exceed 20 ft. 1¼ inch galvanized iron pipe to connect pump with well or cistern.

We will not follow any special city ordinances but will furnish a good sanitary system of plumbing, a system that we will fully guarantee to give satisfaction. All connections will be for iron pipe. Any ordinary mechanic can do the work. Our cast iron drainage fittings for the waste piping will be used throughout.

NOTE:

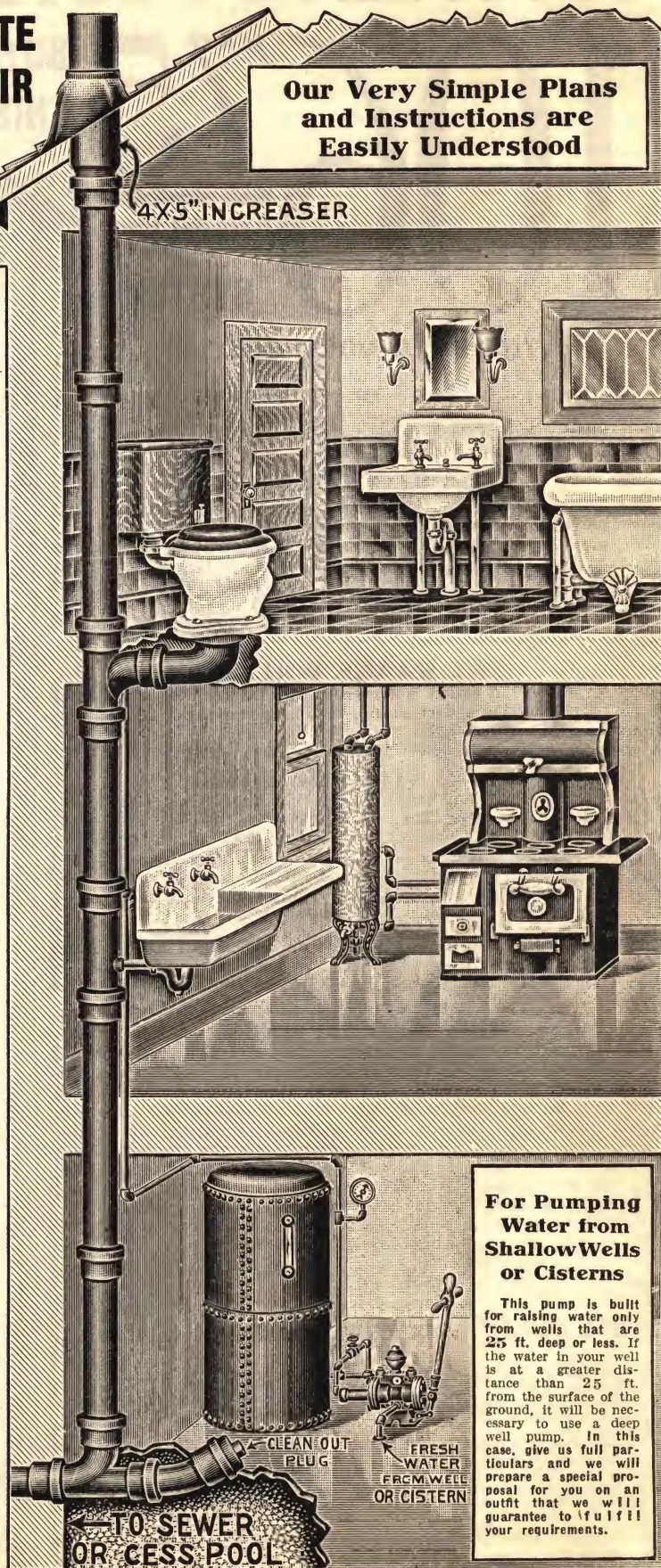
This proposal covers all requirements in any ordinary two-story dwelling where the fixtures will be located, about as shown. If the bath room in your building is directly over the kitchen, so that kitchen sink and closet outfit can be connected directly into soil pipe stack, then under ordinary conditions this proposal will fully cover your requirements.

You can order right from this page. Order by catalogue number given below. You can enclose remittance and send us a diagram showing just how you want the fixtures located. We will prepare a special plan to meet your requirements, and the order will be filled accordingly. Any slight difference in location of fixtures will not seriously change the total amount of material required. Any smaller changes required in the bill will be provided for by our engineers in making up your order. If we find that your case is special, requiring more material than included in this offer, our special estimate will be prepared and sent to you.

3CF56093 Complete House Plumbing System, as illustrated and described. \$142⁵⁰

Our Very Simple Plans
and Instructions are
Easily Understood

4X5" INCREASER



**For Pumping
Water from
Shallow Wells
or Cisterns**

This pump is built for raising water only from wells that are 25 ft. deep or less. If the water in your well is at a greater distance than 25 ft. from the surface of the ground, it will be necessary to use a deep well pump. In this case, give us full particulars and we will prepare a special proposal for you on an outfit that we will guarantee to fulfill your requirements.

CLEAN OUT
PLUG
FRESH WATER
FROM WELL
OR CISTERN
TO SEWER
OR CESS POOL

COMPLETE PLUMBING OFFER-№4

\$154⁹⁰— BUYS THIS
OUTFIT COMPLETE

THE BATH ROOM OUTFIT

Included in this offer is our 3C56305 "Colonial" Bath Room Outfit, as illustrated and described on Page 9 of this book. This is one of our most popular bath room combinations of beautiful appearance, elegant design. A high grade outfit in every respect. Fixtures are all fitted for iron pipe connection. No soldering or lead pipe required.

THE KITCHEN SINK

The Kitchen Sink is our 3CP56642, cast iron, white porcelain enameled, long back kitchen sink, with back and drain board all cast in one solid piece, as shown in illustration. One of the most sanitary kitchen sinks on the market. No seams or crevices to catch dirt and grease. Easily cleaned and kept clean.

Sink is of heavy roll rim construction, genuine white porcelain enameled, with a smooth and even finish. No sharp or rough places to injure the hands. Size of sink, 20x30 in. Length of drain board, 24 in. Height of back, 12 in. Sink is fitted complete, with two ornamental cast iron legs, heavy cast iron end bracket for drain board support, nickel plated Fuller flanged faucets, and 1½ in. lead trap to wall fitted for iron pipe connection. For further description see Page 24.

THE RANGE BOILER

The Range Boiler is our 3CP56723, standard weight, 30-gallon galvanized iron, fitted complete with stand, tube and couplings for iron pipe connection. For detailed description and specification of this boiler, see Page 27 of this book. (Stove or water front are not included in this offer.)

LAUNDRY TUBS

We will include in this proposal one Two-Part Stoneware Laundry Tub, with high back, Fuller flange faucets, and 1½ in. lead trap for iron pipe connection, as shown in illustration. Tubs will be the same as our 3CF56710 Laundry Tubs, shown on Page 26 of this book.

THE WATER SUPPLY SYSTEM

We will include with this outfit one of our 2HF53900, Pneumatic Air Pressure Water Supply Systems. Size of tank, diameter, 24 in. by 6 ft. high. Total capacity, 140 gallons. Working capacity, 100 gallons. Outfit is furnished complete with tank, pump, valves, gauges, etc., as illustrated and described in detail on Page 34 of this book.

PIPE AND FITTINGS

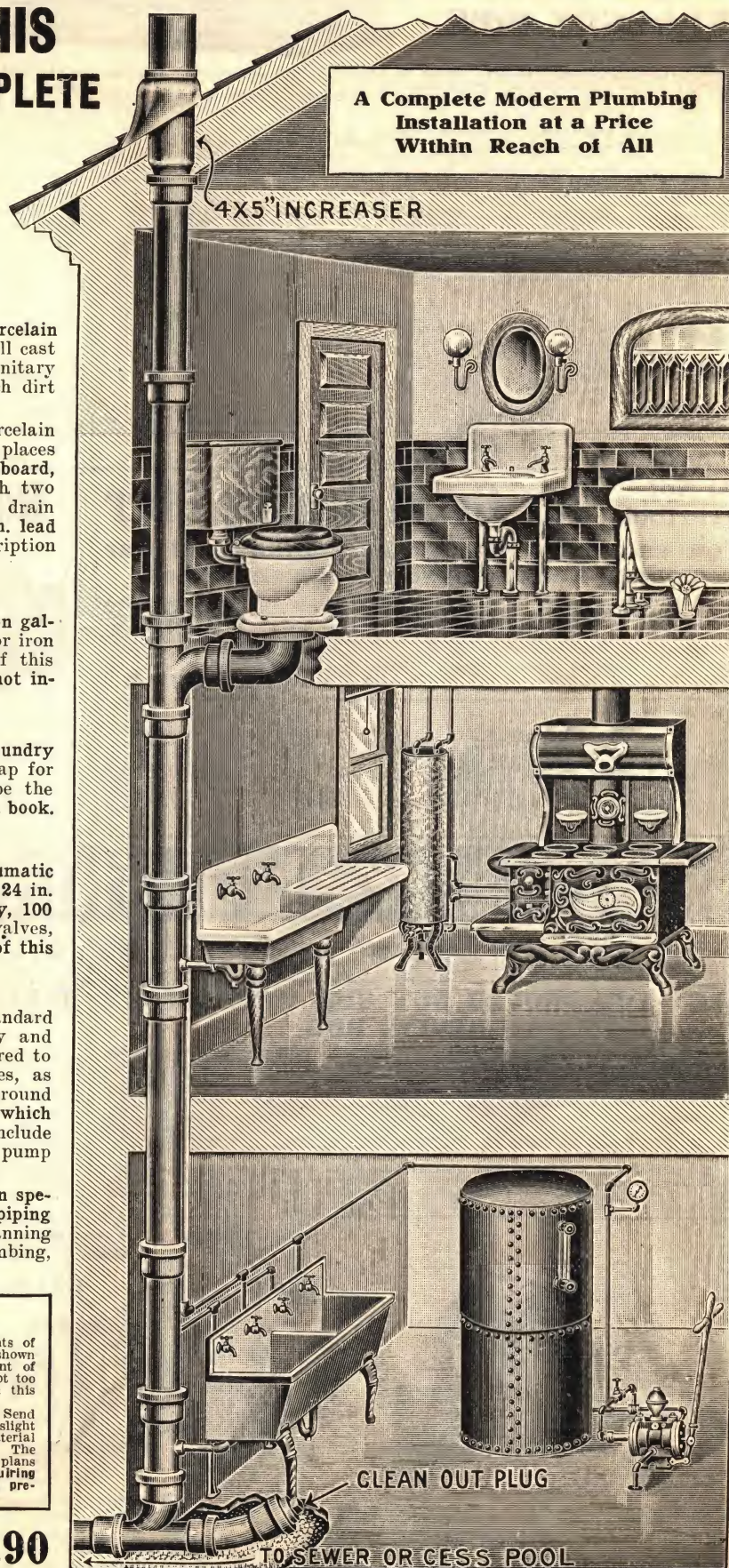
In addition to the above, we will furnish all necessary Standard cast iron soil pipe, soil pipe fittings, galvanized iron supply and waste pipe, lead traps and connections, etc., that will be required to completely install this entire plumbing system with fixtures, as specified above, in a first-class workmanlike manner, from ground line to roof of building, according to plans and instructions which we will furnish. All connections to be for iron pipe. We will include not to exceed 20 ft. of 1¼ inch galvanized iron pipe to connect pump with well or cistern.

Any ordinary mechanic can easily do the work. Our cast iron special drainage fittings will be used throughout in the waste piping system. We will not follow any special city ordinances in planning the system, but will provide a good sanitary system of plumbing, a system that we will guarantee to give satisfaction.

NOTE:

The equipment included in this proposal is sufficient to cover the requirements of all ordinary jobs where the bath room is located directly above the kitchen, as shown in this illustration and where water supply system can be located in basement of building with plumbing fixtures closely in line, as shown. If these fixtures are not too widely separated, requiring an extraordinary amount of piping, the material in this equipment will fulfill all your requirements. You can order right from this page. Order by catalogue number given below. Send us remittance and diagram showing how you want to locate the fixtures. Any slight change in the general location of the fixtures will not alter the amount of material required. Our engineers will prepare special plans to suit your particular case. The order will be filled accordingly, the material will be shipped promptly, and the plans and instructions will be mailed to you. If we find that your case is special, requiring more material than included in this Standard offer, our special estimate will be prepared and sent you by return mail.

3CF56094—Complete Plumbing System as described. **\$154.90**



STANDARD PIPE AND WELL CASING

STANDARD WROUGHT PIPE



WROUGHT STEEL WELL CASING

FOR STEAM, GAS AND WATER. Prices on pipe are entirely dependent upon market conditions, making it impossible to quote a fixed price in this catalogue.

We allow our customers the benefit of all declines in market prices, whether asked for or not, and assure you that you will at all times have the benefit of the very lowest prices ruling at the time your order is received.

The size of pipe is determined by its inside diameter (not outside). The following prices are for pipe coupled and threaded in random lengths; that is, in pieces as they come from the mills, ranging between 16 and 20 ft. When ordering pipe cut to exact lengths, always make allowance for cutting and threading. Couplings are included only with pipe in random lengths. If cut to exact lengths couplings are extra. Please write us for latest prices on Pipe. Subject to market changes.

Size inside diameter, inches	3CP55600 Black per foot	3CP55602 Galvanized per foot	For cutting extra threads, per cut	Approximate weight per foot, lbs.
1/8	2 1/4c	(1/8 in. not furnished)	2c	1 1/4
1/4	2 1/2c	3 1/4c	2c	2 1/2
3/8	2 3/4c	3 3/4c	2c	3 1/2
1/2	3c	4c	2c	4 1/2
5/8	3 1/2c	4 1/2c	2c	5 1/2
3/4	4c	5c	3c	6 1/2
1	4 1/2c	6 1/2c	3c	7 1/2
1 1/4	5c	7 1/2c	4c	8 1/2
1 1/2	5 1/2c	8 1/2c	4c	9 1/2
2	6c	10c	5c	10 1/2
2 1/2	6 1/2c	11c	5c	11 1/2
3	7c	12c	6c	12 1/2
3 1/2	7 1/2c	13c	7c	13 1/2
4	8c	14c	8c	14 1/2
4 1/2	8 1/2c	15c	9c	15 1/2
5	9c	16c	10c	16 1/2
5 1/2	9 1/2c	17c	11c	17 1/2
6	10c	18c	12c	18 1/2
6 1/2	10 1/2c	19c		19 1/2
7	11c	20c		20 1/2
7 1/2	11 1/2c	21c		21 1/2
8	12c	22c		22 1/2
8 1/2	12 1/2c	23c		23 1/2
9	13c	24c		24 1/2
9 1/2	13 1/2c	25c		25 1/2
10	14c	26c		26 1/2
10 1/2	14 1/2c	27c		27 1/2
11	15c	28c		28 1/2
11 1/2	15 1/2c	29c		29 1/2
12	16c	30c		30 1/2
12 1/2	16 1/2c	31c		31 1/2
13	17c	32c		32 1/2
13 1/2	17 1/2c	33c		33 1/2
14	18c	34c		34 1/2
14 1/2	18 1/2c	35c		35 1/2
15	19c	36c		36 1/2
15 1/2	19 1/2c	37c		37 1/2
16	20c	38c		38 1/2
16 1/2	20 1/2c	39c		39 1/2
17	21c	40c		40 1/2
17 1/2	21 1/2c	41c		41 1/2
18	22c	42c		42 1/2
18 1/2	22 1/2c			43 1/2
19	23c			44 1/2
19 1/2	23 1/2c			45 1/2
20	24c			46 1/2
20 1/2	24 1/2c			47 1/2
21	25c			48 1/2
21 1/2	25 1/2c			49 1/2
22	26c			50 1/2
22 1/2	26 1/2c			51 1/2
23	27c			52 1/2
23 1/2	27 1/2c			53 1/2
24	28c			54 1/2
24 1/2	28 1/2c			55 1/2
25	29c			56 1/2
25 1/2	29 1/2c			57 1/2
26	30c			58 1/2
26 1/2	30 1/2c			59 1/2
27	31c			60 1/2
27 1/2	31 1/2c			61 1/2
28	32c			62 1/2
28 1/2	32 1/2c			63 1/2
29	33c			64 1/2
29 1/2	33 1/2c			65 1/2
30	34c			66 1/2
30 1/2	34 1/2c			67 1/2
31	35c			68 1/2
31 1/2	35 1/2c			69 1/2
32	36c			70 1/2
32 1/2	36 1/2c			71 1/2
33	37c			72 1/2
33 1/2	37 1/2c			73 1/2
34	38c			74 1/2
34 1/2	38 1/2c			75 1/2
35	39c			76 1/2
35 1/2	39 1/2c			77 1/2
36	40c			78 1/2
36 1/2	40 1/2c			79 1/2
37	41c			80 1/2
37 1/2	41 1/2c			81 1/2
38	42c			82 1/2
38 1/2	42 1/2c			83 1/2
39	43c			84 1/2
39 1/2	43 1/2c			85 1/2
40	44c			86 1/2
40 1/2	44 1/2c			87 1/2
41	45c			88 1/2
41 1/2	45 1/2c			89 1/2
42	46c			90 1/2
42 1/2	46 1/2c			91 1/2
43	47c			92 1/2
43 1/2	47 1/2c			93 1/2
44	48c			94 1/2
44 1/2	48 1/2c			95 1/2
45	49c			96 1/2
45 1/2	49 1/2c			97 1/2
46	50c			98 1/2
46 1/2	50 1/2c			99 1/2
47	51c			100 1/2
47 1/2	51 1/2c			101 1/2
48	52c			102 1/2
48 1/2	52 1/2c			103 1/2
49	53c			104 1/2
49 1/2	53 1/2c			105 1/2
50	54c			106 1/2
50 1/2	54 1/2c			107 1/2
51	55c			108 1/2
51 1/2	55 1/2c			109 1/2
52	56c			110 1/2
52 1/2	56 1/2c			111 1/2
53	57c			112 1/2
53 1/2	57 1/2c			113 1/2
54	58c			114 1/2
54 1/2	58 1/2c			115 1/2
55	59c			116 1/2
55 1/2	59 1/2c			117 1/2
56	60c			118 1/2
56 1/2	60 1/2c			119 1/2
57	61c			120 1/2
57 1/2	61 1/2c			121 1/2
58	62c			122 1/2
58 1/2	62 1/2c			123 1/2
59	63c			124 1/2
59 1/2	63 1/2c			125 1/2
60	64c			126 1/2
60 1/2	64 1/2c			127 1/2
61	65c			128 1/2
61 1/2	65 1/2c			129 1/2
62	66c			130 1/2
62 1/2	66 1/2c			131 1/2
63	67c			132 1/2
63 1/2	67 1/2c			133 1/2
64	68c			134 1/2
64 1/2	68 1/2c			135 1/2
65	69c			136 1/2
65 1/2	69 1/2c			137 1/2
66	70c			138 1/2
66 1/2	70 1/2c			139 1/2
67	71c			140 1/2
67 1/2	71 1/2c			141 1/2
68	72c			142 1/2
68 1/2	72 1/2c			143 1/2
69	73c			144 1/2
69 1/2	73 1/2c			145 1/2
70	74c			146 1/2
70 1/2	74 1/2c			147 1/2
71	75c			148 1/2
71 1/2	75 1/2c			149 1/2
72	76c			150 1/2
72 1/2	76 1/2c			151 1/2
73	77c			152 1/2
73 1/2	77 1/2c			153 1/2
74	78c			154 1/2
74 1/2	78 1/2c			155 1/2
75	79c			156 1/2
75 1/2	79 1/2c			157 1/2
76	80c			158 1/2
76 1/2	80 1/2c			159 1/2
77	81c			160 1/2
77 1/2	81 1/2c			161 1/2
78	82c			162 1/2
78 1/2	82 1/2c			163 1/2
79	83c			164 1/2
79 1/2	83 1/2c			165 1/2
80	84c			166 1/2
80 1/2	84 1/2c			167 1/2
81	85c			168 1/2
81 1/2	85 1/2c			169 1/2
82	86c			170 1/2
82 1/2	86 1/2c			171 1/2
83	87c			172 1/2
83 1/2	87 1/2c			173 1/2
84	88c			174 1/2
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85	89c			176 1/2
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86	90c			178 1/2
86 1/2	90 1/2c			179 1/2
87	91c			180 1/2
87 1/2	91 1/2c			181 1/2
88	92c			182 1/2
88 1/2	92 1/2c			183 1/2
89	93c			184 1/2
89 1/2	93 1/2c			185 1/2
90	94c			186 1/2
90 1/2	94 1/2c			187 1/2
91	95c			188 1/2
91 1/2	95 1/2c			189 1/2
92	96c			190 1/2
92 1/2	96 1/2c			191 1/2
93	97c			192 1/2
93 1/2	97 1/2c			193 1/2
94	98c			194 1/2
94 1/2	98 1/2c			195 1/2
95	99c			196 1/2
95 1/2	99 1/2c			197 1/2
96	100c			198 1/2
96 1/2	100 1/2c			199 1/2
97	101c			200 1/2
97 1/2	101 1/2c			201 1/2
98	102c			202 1/2
98 1/2	102 1/2c			203 1/2
99	103c			204 1/2
99 1/2	103 1/2c			205 1/2
100	104c			206 1/2
100 1/2	104 1/2c			207 1/2
101	105c			208 1/2
101 1/2	105 1/2c			209 1/2
102	106c			210 1/2
102 1/2	106 1/2c			211 1/2
103	107c			212 1/2
103 1/2	107 1/2c			213 1/2
104	108c			214 1/2
104 1/2	108 1/2c			215 1/2
105	109c			216 1/2
105 1/2	109 1/2c			217 1/2
106	110c			218 1/2
106 1/2	110 1/2c			219 1/2
107	111c			220 1/2
107 1/2	111 1/2c			221 1/2
108	112c			222 1/2
108 1/2	112 1/2c			223 1/2
109	113c			224 1/2
109 1/2	113 1/2c			225 1/2
110	114c			226 1/2
110 1/2	114 1/2c			227 1/2
111	115c			228 1/2
111 1/2	115 1/2c			229 1/2
112	116c			230 1/2
112 1/2	116 1/2c			231 1/2
113	117c			232 1/2
113 1/2	117 1/2c			233 1/2
114	118c			234 1/2
114 1/2	118 1/2c			235 1/2
115	119c			236 1/2
115 1/2	119 1/2c			237 1/2
116	120c			238 1/2
116 1/2	120 1/2c			239 1/2
117	121c			240 1/2
117 1/2	121 1/2c			241 1/2
118	122c			242 1/2
118 1/2	122 1/2c			243 1/2
119	123c			244 1/2
119 1/2	123 1/2c			245 1/2
120	124c			246 1/2
120 1/2	124 1/2c			247 1/2
121	125c			248 1/2
121 1/2	125 1/2c			249 1/2
122	126c			250 1/2
122 1/2	126 1/2c			251 1/2
123	127c			252 1/2
123 1/2	127 1/2c			253 1/2
124	128c			254 1/2
124 1/2	128 1/2c			255 1/2
125	129c			256 1/2
125 1/2	129 1/2c			257 1/2
126	130c			258 1/2
126 1/2	130 1/2c			259 1/2
127	131c			260 1/2
127 1/2	131 1/2c			261 1/2
128	132c			262 1/2
128 1/2	132 1/2c			263 1/2
129	133c			264 1/2
129 1/2	133 1/2c			265 1/2
130	134c			266 1/2
130 1/2	134 1/2c			267 1/2
131	135c			268 1/2
131 1/2	135 1/2c			269 1/2
132	136c			270 1/2
132 1/2	136 1/2c			271 1/2
133	137c			272 1/2
133 1/2	137 1/2c			273 1/2
134	138c			274 1/2
134 1/2	138 1/2c			275 1/2
135	139c			276 1/2
135 1/2	139 1/2c			277 1/2
136	140c			278 1/2
136 1/2	140 1/2c			279 1/2
137	141c			280 1/2
137 1/2				

CAST IRON AND MALLEABLE FITTINGS



90 Degree Elbows

MALLEABLE IRON
Black 3C55360—Galvanized 3C55361

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	3c	4c
1/2 in.	1/2 lbs.	5c	6c
3/4 in.	3/4 lbs.	6c	7c
1 in.	1 lbs.	8c	11c
1 1/4 in.	1 1/4 lbs.	9c	14c
2 in.	1 1/2 lbs.	12c	20c

CAST IRON—To Reduce One Size
Black 3C54900—Galvanized 3C54901

Size	Weight	Black	Galvanized
1/4 in.	1 lbs.	4c	6c
1/2 in.	1 1/4 lbs.	4 1/2c	8c
3/4 in.	1 1/2 lbs.	6c	12c
1 in.	2 1/4 lbs.	8c	14c
2 in.	3 1/4 lbs.	12c	21c
3 in.	5 1/4 lbs.	18c	34c
4 in.	7 1/4 lbs.	28c	50c
6 in.	10 1/2 lbs.	43c	78c



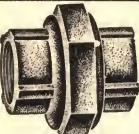
45 Degree Elbows

MALLEABLE IRON
Black 3C55362—Galvanized 3C55363

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	3 1/2c	6 1/2c
1/2 in.	1/2 lbs.	4 1/2c	8 1/2c
3/4 in.	3/4 lbs.	5c	9c
1 in.	1 lbs.	6c	12 1/2c
1 1/4 in.	1 1/4 lbs.	8c	17c
2 in.	1 1/2 lbs.	12c	28c
3 in.	2 1/4 lbs.	18c	45c

CAST IRON—To Reduce One Size
Black 3C54904—Galvanized 3C54905

Size	Weight	Black	Galvanized
1/4 in.	1 lbs.	4c	7c
1/2 in.	1 1/4 lbs.	5c	9c
3/4 in.	1 1/2 lbs.	7c	13c
1 in.	2 1/4 lbs.	9c	17c
2 in.	3 1/4 lbs.	12c	23c
3 in.	5 1/4 lbs.	18c	39c
4 in.	7 1/4 lbs.	27c	58c
6 in.	10 1/2 lbs.	45c	95c



Unions

Malleable Only

Black 3C55374—Galvanized 3C55375

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	8c	11c
1/2 in.	1/2 lbs.	9c	12c
3/4 in.	3/4 lbs.	9c	14c
1 in.	1 lbs.	10c	17c
1 1/4 in.	1 1/4 lbs.	12c	18c
2 in.	1 1/2 lbs.	18c	27c
3 in.	2 1/4 lbs.	22c	34c
4 in.	2 lbs.	28c	42c



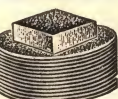
Crosses

MALLEABLE IRON
Black 3C55366

Size	Weight	Black
1/4 in.	1/4 lbs.	4c
1/2 in.	1/2 lbs.	4 1/2c
3/4 in.	3/4 lbs.	7c
1 in.	1 lbs.	7 1/2c
1 1/4 in.	1 1/4 lbs.	10c
2 in.	1 1/2 lbs.	13 1/2c
3 in.	2 1/4 lbs.	20c
4 in.	2 lbs.	33c

CAST IRON—To Reduce One Size
Black 3C54914—Galvanized 3C54915

Size	Weight	Black	Galvanized
1/4 in.	1 1/2 lbs.	\$0.08	\$0.15
1/2 in.	1 lbs.	.11	.12
3/4 in.	2 1/4 lbs.	.15	.17
1 in.	3 1/4 lbs.	.19	.24
2 in.	4 1/4 lbs.	.26	.30
3 in.	8 lbs.	.43	.55
4 in.	9 1/4 lbs.	.65	.85
6 in.	15 1/4 lbs.	1.00	1.30



Plugs

Cast Only

Black 3C55388—Galvanized 3C55389

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	2c	2 1/2c
1/2 in.	1/2 lbs.	2c	3c
3/4 in.	3/4 lbs.	3c	4 1/2c
1 in.	1 lbs.	3c	5c
1 1/4 in.	1 1/4 lbs.	4c	6c
2 in.	1 1/2 lbs.	6c	9c
3 in.	2 lbs.	9c	12c
4 in.	2 1/2 lbs.	12c	17c



Reducing Elbows

MALLEABLE IRON
To Reduce One Size

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	4c	4 1/2c
1/2 in.	1/2 lbs.	4c	6c
3/4 in.	3/4 lbs.	4 1/2c	7c
1 in.	1 lbs.	8c	11c
1 1/4 in.	1 1/4 lbs.	10c	15c
2 in.	1 1/2 lbs.	14c	21c
3 in.	2 lbs.	20c	30c

CAST IRON—To Reduce One Size
Black 3C54902—Galvanized 3C54903

Size	Weight	Black	Galvanized
1/4 in.	1 lbs.	4c	6c
1/2 in.	1 1/4 lbs.	5c	8c
3/4 in.	1 1/2 lbs.	7c	11c
1 in.	2 1/4 lbs.	8c	14c
2 in.	3 1/4 lbs.	12c	20c
3 in.	5 1/4 lbs.	20c	36c
4 in.	7 1/4 lbs.	30c	53c
6 in.	10 1/2 lbs.	52c	85c



Flange Unions

Cast Iron Only

Black 3C54908—Galvanized 3C54909

Size	Weight	Black	Galvanized
1/4 in.	2 1/2 lbs.	16c	30c
1 in.	3 lbs.	17c	34c
1 1/4 in.	3 1/2 lbs.	23c	42c
1 1/2 in.	4 1/4 lbs.	28c	51c
2 in.	6 lbs.	33c	65c
2 1/2 in.	9 1/4 lbs.	42c	82c
3 in.	11 1/2 lbs.	50c	96c
4 in.	16 lbs.	70c	\$1.36



Short Nipples

2 1/2 in. long—or less

Black 3C55380—Galvanized 3C55381

Size	Weight	Black	Galvanized
1/4 in.	1/12 lbs.	2c	2c
1/2 in.	1/10 lbs.	2c	2c
3/4 in.	1/8 lbs.	2c	2c
1 in.	1/4 lbs.	2c	2c
1 1/4 in.	1/4 lbs.	3c	3c
1 1/2 in.	3/8 lbs.	3c	4c
2 in.	1/2 lbs.	4c	6c
2 1/2 in.	5/8 lbs.	5c	7c

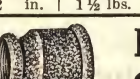
NOTE—In ordering nipples give size of pipe, also length of nipple.



Couplings

Black 3C55378—Galvanized 3C55379

Size	Weight	Black	Galvanized
1/4 in.	1/8 lbs.	2 1/2c	3c
1/2 in.	1/4 lbs.	2 1/2c	3c
3/4 in.	3/8 lbs.	3c	3 1/2c
1 in.	1/2 lbs.	4c	4 1/2c
1 1/4 in.	1/2 lbs.	5c	8c
1 1/2 in.	3/4 lbs.	6c	11c
2 in.	1 lbs.	7c	14c
2 1/2 in.	1 1/4 lbs.	9c	17c



Reducing Couplings

To reduce one size—Size given is the large end
Black 3C55370—Galvanized 3C55371

Size	Weight	Black	Galvanized
1/4 in.	1/8 lbs.	3c	.....
1/2 in.	1/4 lbs.	4c	.....
3/4 in.	1/2 lbs.	4c	.....
1 in.	3/4 lbs.	4c	.....
1 1/4 in.	1/2 lbs.	6c	.....
1 1/2 in.	3/4 lbs.	7c	.....
2 in.	1 lbs.	10c	.....
2 1/2 in.	1 1/4 lbs.	16c	.....



Lock Nuts

Malleable Only

Black 3C55386—Galvanized 3C55387

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	2c	3c
1/2 in.	1/2 lbs.	2c	3c
3/4 in.	3/4 lbs.	3c	4c
1 in.	1 lbs.	4c	5c
1 1/4 in.	1 1/4 lbs.	4c	5c
1 1/2 in.	1 1/2 lbs.	6c	9c
2 in.	2 lbs.	10c	13c
2 1/2 in.	2 1/2 lbs.	14c	22c
3 in.	3 lbs.	16c	26c



Street Elbows

Malleable Only

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	2 1/2c	3c
1/2 in.	1/2 lbs.	2 1/2c	4c
3/4 in.	3/4 lbs.	4c	5 1/2c
1 in.	1 lbs.	6c	9c
1 1/4 in.	1 1/4 lbs.	7c	10c
1 1/2 in.	1 1/2 lbs.	10c	15 1/2c
2 in.	1 1/2 lbs.	13c	18 1/2c
3 in.	2 lbs.	18c	30c



Tees

MALLEABLE IRON

Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	3 1/2c	4c
1/2 in.	1/2 lbs.	4c	4 1/2c
3/4 in.	3/4 lbs.	5c	7c
1 in.	1 lbs.	5 1/2c	7 1/2c
1 1/4 in.	1 1/4 lbs.	8 1/2c	10c
1 1/2 in.	1 1/2 lbs.	10c	16c
2 in.	2 lbs.	15c	20c
3 in.	3 lbs.	20c	33c

CAST IRON—To Reduce One Size
Black 3C54906—Galvanized 3C54907

Size	Weight	Black	Galvanized
1/4 in.	1 1/4 lbs.	5c	9c
1/2 in.	1 1/2 lbs.	6c	10c
3/4 in.	2 lbs.	9c	16c
1 in.	3 lbs.	12c	22c
1 1/4 in.	3 1/2 lbs.	15c	31c
1 1/2 in.	4 1/2 lbs.	28c	50c
2 in.	8 lbs.	38c	71c
3 in.	12 1/2 lbs.	65c	\$1.20



Long Nipples

Between 2 1/2 in. and 6 in.

Black 3C55382—Galvanized 3C55383

Size	Weight	Black	Galvanized
1/4 in.	1/8 lbs.	3c	2c
1/2 in.	1/6 lbs.	3c	3c
3/4 in.	2/5 lbs.	3c	3c
1 in.	1/2 lbs.	3c	3c
1 1/4 in.	1/2 lbs.	3c	5c
1 1/2 in.	3/4 lbs.	4c	8c
2 in.	1 1/4 lbs.	7c	12c

NOTE—In ordering nipples give size of pipe, also length of nipple.



Caps

Black 3C55372—Galvanized 3C55373

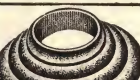
Size	Weight	Black	Galvanized
1/4 in.	1/4 lbs.	2c	2 1/2c
1/2 in.	1/2 lbs.	2c	4c
3/4 in.	3/4 lbs.	4c	5c
1 in.	1 lbs.	4c	5c
1 1/4 in.	1 1/4 lbs.	5c	9c
1 1/2 in.	1 1/2 lbs.	8 1/2c	12c
2 in.	2 lbs.	10c	18c
3 in.	2 1/2 lbs.	17 1/2c	28c



Bushings

Black 3C55390—Galvanized 3C55391

Size	Weight	Black	Galvanized
1/4 in.	1/16 lbs.	2c	4c
1/2 in.	1/8 lbs.	2c	4 1/2c
3/4 in.	1/4 lbs.	3c	5c
1 in.	3/8 lbs.	3c	5c
1 1/4 in.	3/8 lbs.	4c	8c
1 1/2 in.	3/4 lbs.	6c	10c
2 in.	1 1/2 lbs.	7c	14c
3 in.	2 1/4 lbs.	8c	16c



Ceiling Plates

CAST IRON BLACK AND NICKEL PLATED

Black, solid—3C54918

Nickel plated, split—3C54919
Black plates are plain cast iron, cast solid, and must be put on before pipe is connected. Nickel plated plates are split with spring clamps for holding in place and can be put on pipe after it is installed.

Size	Weight	Black Solid	Nickel Plated Split
1/4 in.	2 oz.	5c	.....
1/2 in.	2 oz.	6c	.....
3/4 in.	3 oz.	7c	.....
1 in.	4 oz.	9c	.....
1 1/2 in.	6 oz.	10c	.....
2 in.	8 oz.	11c	.....
2 1/2 in.	8 oz.	14c	.....
3 in.	10 oz.	16c	.....

Drop Fittings

For Gas



Malleable Only

DROP ELBOWS AND TEES FOR GAS

3C55354—Long Drop Ell, 3/4 in. only, with 2 1/2 in. drop.

Size	Weight	Black	Galvanized
3/4 in.	1 1/4 lbs.	6c	7c

3C55355—Short Female Drop Ell.

Size	Weight	Black	Galvanized
3/4 in.	1/8 lbs.	5c	6c
1/2 in.	1/6 lbs.	7c	10c
3/4 in.	1/5 lbs.	12c	17c

3C55356—Drop Tee.

Size	Weight	Black	Galvanized
3/4 in.	1/8 lbs.	6c	7c
1/2 in.	1/6 lbs.	10c	12c
3/4 in.	1/8 lbs.	12c	19c

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Valves and Faucets for Steam and Water

Compression Laundry Tray

Bibbs

3C556700 — Stubb Pattern with Flange. A compact and durable faucet. Especially to be recommended where water pressure is high, or in connection with our air pressure water supply systems. Brass finish. For $\frac{1}{2}$ in. iron pipe. Shipping weight, 1 lb. Each..... **42c**
3C556701 — Nickel Plated Finish. Each..... **55c**

Compression Plain Bibbs

3C55443 — Threaded for iron pipe. With hexagonal shoulder. Polished brass. Each..... **37c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **37c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **53c**

Compression Bibbs with Flange

Polished Brass or Nickel Plated. Fitted for iron pipe connection. Each..... **60c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **47c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **53c**

Compression Hose Bibbs

3C55447 — Polished Brass. Fitted for iron pipe connection, with hexagonal shoulder. Each..... **57c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **47c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **57c**

Compression Sill Cocks

3C55425 — Heavily Plated, White Nickel Finish. Solid brass wheel handle, for $\frac{3}{4}$ in. iron pipe connection, with stuffing box around stem. Furnished in one size only, for Standard garden hose connection. lb. Each..... **64c**
 Shipping weight, 1 lb.

Compression Sill Cocks with Loose Key

3C55426 — Solid Brass. For $\frac{3}{4}$ in. iron pipe. Fitted for Standard garden hose connection. Furnished in one size only. Polished brass finish. Shipping weight, 1 lb. Each..... **60c**
3C55427 — Nickel Plated Finish. Each..... **75c**

Brass Angle Valves with Jenkins Disc

3C55403 — Solid Brass Angle Valve. With Jenkins composition disc. For steam pressures up to 125 lbs. Each..... **\$0.39**
 Size Shpg. Wt. Each
 $\frac{1}{4}$ in. $\frac{1}{2}$ lb. **\$0.39**
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **.48**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **.59**
 $1\frac{1}{4}$ in. $3\frac{1}{2}$ lb. **1.04**
 $1\frac{1}{2}$ in. $3\frac{3}{4}$ lb. **1.47**
 2 in. $5\frac{1}{2}$ lb. **2.03**
 $2\frac{1}{2}$ in. $8\frac{1}{2}$ lb. **3.20**

Brass Globe Valves with Jenkins Composition Disc

3C55401 — Jenkins Disc Globe Valve. Solid brass body. For steam pressures up to 125 lbs. Each..... **\$0.39**
 Size Shpg. Wt. Each
 $\frac{1}{4}$ in. $\frac{1}{2}$ lb. **\$0.39**
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **.48**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **.59**
 $1\frac{1}{4}$ in. $3\frac{1}{2}$ lb. **1.04**
 $1\frac{1}{2}$ in. $3\frac{3}{4}$ lb. **1.47**
 2 in. $5\frac{1}{2}$ lb. **2.03**
 $2\frac{1}{2}$ in. $8\frac{1}{2}$ lb. **3.20**

Air Line Angle Valves

3C55405 — Air Line Angle Valve. With special composition disc, closing tight against air pressure. Suitable for pressures up to 125 lbs. Each..... **\$0.59**
 Size Shpg. Wt. Each
 $\frac{1}{4}$ in. $\frac{1}{2}$ lb. **\$0.59**
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **.72**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **.92**
 $1\frac{1}{4}$ in. $3\frac{1}{2}$ lb. **1.20**

Best Quality—Fully Guaranteed

We wish to call attention to the fact that all Compression Brass Faucets, Fuller Bibbs, Brass Stop Cocks, Standard Brass and Iron Valves, etc., as shown on this page, are of the very highest grade in workmanship, finish and material. All of our Standard Brass Valves are properly proportioned, Standard weight, and guaranteed for a working pressure up to 125 lbs. We do not handle the cheap competition valves now on the market. Our Composition Jenkins Disc Valves have a patent composition disc, which is removable. These valves are heavy and strong, and fully guaranteed to close absolutely tight under 125 lbs. steam pressure.

In selecting faucets for plumbing work, the following should be kept in mind: Where water pressures are high (40 lbs. or over), the compression type of faucet is preferable, and is always to be recommended where our air pressure water supply systems are used, or where the town water pressure is high. The construction is such that the faucet cannot be closed suddenly. This prevents water pounding on the fixtures when the faucet is shut off.

For lower water pressure, the Fuller faucet is the handiest, and should always be used. For higher water pressures, use $\frac{1}{2}$ in. faucets. For lower pressures, use the $\frac{3}{4}$ in. size. Where water pumping is done by hand, or where the water rate is high, we recommend our Doherty Self-closing Faucet, which eliminates all waste of water.

For steam work, always specify composition disc valves, if you want the best. For air lines, we recommend our Special Air Line Valves, listed at the bottom of this page, which are equipped with special discs for closing tight against air pressure.

Compression Hose Bibbs, with Flange

Polished Brass or Nickel Plated. Fitted for iron pipe connection. Each..... **65c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **55c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **65c**

Lever Handle Brass Stop Cocks

3C55423 — Solid Brass. Rough Finish. With ground key for iron pipe connection. Each..... **38c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **38c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **55c**

Standard Brass Angle Valves

3C55402 — Each..... **\$0.31**
 Size Shpg. Wt. Each
 $\frac{1}{4}$ in. $\frac{1}{2}$ lb. **\$0.31**
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **.35**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **.45**
 $1\frac{1}{4}$ in. $3\frac{1}{2}$ lb. **.56**
 $1\frac{1}{2}$ in. $3\frac{3}{4}$ lb. **1.12**
 2 in. $5\frac{1}{2}$ lb. **1.53**
 $2\frac{1}{2}$ in. $8\frac{1}{2}$ lb. **2.30**

Standard Brass Globe Valves

3C55400 — Each..... **\$0.31**
 Size Shpg. Wt. Each
 $\frac{1}{4}$ in. $\frac{1}{2}$ lb. **\$0.31**
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **.35**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **.45**
 $1\frac{1}{4}$ in. $3\frac{1}{2}$ lb. **.56**
 $1\frac{1}{2}$ in. $3\frac{3}{4}$ lb. **1.12**
 2 in. $5\frac{1}{2}$ lb. **1.53**
 $2\frac{1}{2}$ in. $8\frac{1}{2}$ lb. **2.30**

Standard Brass Gate Valves

3C55406 — These valves should always be used in water lines, or in places where opening full size of pipe is required. Each..... **\$0.47**
 Size Shpg. Wt. Each
 $\frac{1}{4}$ in. $1\frac{1}{2}$ lb. **\$0.47**
 $\frac{1}{2}$ in. $1\frac{3}{4}$ lb. **.61**
 $\frac{3}{4}$ in. $2\frac{1}{4}$ lb. **.86**
 $1\frac{1}{4}$ in. $3\frac{1}{2}$ lb. **1.13**
 $1\frac{1}{2}$ in. $4\frac{1}{2}$ lb. **1.67**
 2 in. $12\frac{1}{2}$ lb. **2.50**

Iron Body Globe Valves

3C55414 — Iron Body Globe Valve. Brass mounted, with rising stem. A good, substantial valve, for steam pressures up to 125 lbs. Each..... **\$2.40**
 Size Shpg. Wt. Each
 $2\frac{1}{2}$ in. $17\frac{1}{2}$ lb. **\$2.40**
 3 in. $25\frac{1}{2}$ lb. **3.25**

Iron Body Gate Valves

3C55407 — Iron Body Gate Valve. Brass mounted, with flanged disc case, as shown. Easily taken apart and repaired without removing from pipe line. Suitable for steam or water working pressures up to 125 lbs. Each..... **\$4.00**
 Size Shpg. Wt. Each
 $2\frac{1}{2}$ in. $25\frac{1}{2}$ lb. **\$4.00**
 3 in. $40\frac{1}{2}$ lb. **5.00**
 $3\frac{1}{2}$ in. $55\frac{1}{2}$ lb. **6.50**
 4 in. $70\frac{1}{2}$ lb. **6.75**

Air Line Globe Valves

3C55404 — Air Line Globe Valve. With special composition disc, closing tight against air pressure. Suitable for pressures up to 125 lbs. Each..... **\$0.59**
 Size Shpg. Wt. Each
 $\frac{1}{4}$ in. $\frac{1}{2}$ lb. **\$0.59**
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **.72**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **.92**
 $1\frac{1}{4}$ in. $3\frac{1}{2}$ lb. **1.20**

Fuller Plain Bibbs with Flange

Polished Brass or Nickel Plated. Fitted for iron pipe connection. Each..... **65c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **55c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **65c**

Plain Doherty Bibbs, Self-Closing

Polished Brass or Nickel Plated. With hexagonal shoulder, for iron pipe connection. A very high grade faucet. Fully guaranteed. Stops all waste of water. For use where water rate is high. Each..... **65c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **\$1.20**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **1.35**

Brass Horizontal Check Valves

3C55408 — Solid Brass Horizontal Check Valve. Standard pattern. With vertically rising disc, ground seat. Each..... **\$1.40**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **\$1.20**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **1.35**

Brass Horizontal Swing Check Valves

3C55410 — Solid Brass Horizontal Swing Check Valve. A quick-acting, sure-closing valve. Offers very little resistance to flowing water. Each..... **\$1.40**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **\$1.20**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **1.35**

Brass Vertical Check Valves

3C55413 — Solid Brass Vertical Check Valve. For use only in vertical pipes, where the direction of flow of water or liquid is upwards. Each..... **\$1.43**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **\$1.20**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **1.35**

Hydrant Clamps

3C55424 — Malleable Iron Hydrant Clamp. Tapped for $\frac{3}{4}$ in. pipe. These clamps are used in connection with "T" handle brass stops, shown on this page. A $\frac{3}{4}$ in. pipe for shut-off rod is screwed into top lug. The clamp is placed over the "T" handle and copper wire passed through the two holes, so that it is held securely in place. The shut-off rod stands above the ground, so that the cock can be operated by turning the rod. In ordering, give size of stop cock that clamp is to fit. Shipping weight, 3 oz. Each..... **74c**

Brass Three Way Cocks

3C55417 — Solid Brass Square Head, Three-way Cock. Rough finish. With ground key, for iron pipe connection. Each..... **\$0.81**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **\$0.81**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **.98**
 1 in. $2\frac{1}{2}$ lb. **1.21**

Fuller Laundry Tray Faucets

Side lever pattern, with flange for use where water pressure does not exceed 40 lbs. Fitted for iron pipe thread. In brass or nickel plated. Each..... **80c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **70c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **85c**

Fuller Plain Bibbs

3C55446 — Polished Brass. With hexagonal shoulder, for iron pipe connection. Each..... **67c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **45c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **67c**

Fuller Hose Bibbs

3C55447 — Polished Brass. With hexagonal shoulder for iron pipe connection. Each..... **67c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **45c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **67c**

Fuller Hose Bibbs with Flange

Polished Brass or Nickel Plated. For hose connection fitted for iron pipe thread. Each..... **85c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **65c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **75c**

"T" Handle Brass Stop Cocks

3C55418 — Solid Brass Rough Finish. With ground key fitted for iron pipe connection. A good stop cock for water, steam, gas or air. Tested and guaranteed. Each..... **38c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **38c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **55c**

"T" Handle Brass Stop and Waste Cocks

3C55420 — Solid Brass Rough Finish. With ground key, fitted for iron pipe connection. Used in connection with shut-off rod, to shut off water in underground pipes. Has waste outlet, so that water can drain off in supply pipe, to prevent freezing. Each..... **73c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **45c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **73c**

Lever Handle Brass Stop and Waste Cocks

3C55421 — Solid Brass Rough Finish. With ground key for iron pipe connection. Has waste outlet, so that water in pipe will drain off, after stop cock is turned off, to prevent freezing. Each..... **70c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **45c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **70c**

Brass Hydrant Cocks

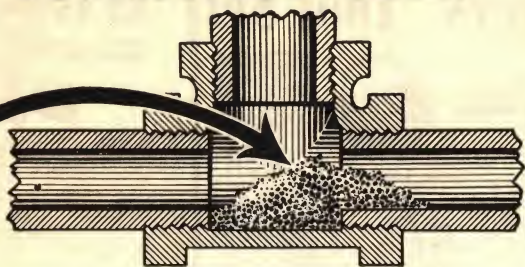
3C55422 — Brass Hydrant Cock. With waste, and combination elbow, ground key, "T" handle. Rough finish. Used in connection with shut-off rod, for underground pipes. Water drains off, and cannot freeze. Fitted for iron pipe connection. Each..... **\$0.59**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **\$0.59**
 1 in. $2\frac{1}{2}$ lb. **1.24**

Brass Square Head Steam Cocks

3C55416 — Solid Brass, with Ground Key. Rough finish. For iron pipe connection. Each..... **27c**
 Size Shpg. Wt. Each
 $\frac{1}{2}$ in. $\frac{3}{4}$ lb. **27c**
 $\frac{3}{4}$ in. $1\frac{1}{4}$ lb. **32c**
 1 in. $2\frac{1}{2}$ lb. **42c**
 $1\frac{1}{2}$ in. $3\frac{3}{4}$ lb. **55c**
 2 in. $5\frac{1}{2}$ lb. **75c**

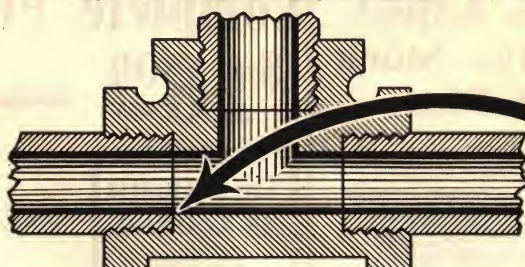
CAST IRON DRAINAGE FITTINGS

AS COMMONLY USED



*ROUGH PASSAGE
POOR DRAINAGE
OBSTRUCTION
ACCUMULATION
ULTIMATE STOPPAGE
THEN TROUBLE*

AS FURNISHED BY US



*SMOOTH PASSAGE
FREE FLOW
GOOD DRAINAGE
A SANITARY
SYSTEM
AND NO TROUBLE*

THESE SPECIAL CAST IRON DRAINAGE FITTINGS ARE USED ON EVERY ONE OF OUR COMPLETE PLUMBING SYSTEMS

The great advantage of using these cast iron drainage fittings on your plumbing system is very forcibly demonstrated in the diagram given above. The ordinary style of cast iron fitting should never be used in a drainage pipe on a plumbing fixture. It is only a question of time when the waste piping system installed with such fittings will become stopped up, and it is almost a hopeless task to try to get the pipes cleared out. An accumulation of deposit is bound to take place in front of the rough, exposed ends of the pipe, where they screw into the fitting, as shown in the illustration above, to the left, and you can readily see what a difficult matter it would be to clear out a pipe stopped up in this way.

With our special recessed drainage fittings, shown in the above illustration, to the right, stoppage of this kind is impossible. There is no chance for this sediment to accumulate.

These fittings are recessed, and the threads cut in such a way that the end of the pipe is not exposed when screwed into the fittings; there is a smooth, clear passageway, the same diameter as the inside diameter of the pipe, so that when the pipe is screwed into the fittings these diameters are exactly equal. There are no rough exposed edges to catch the deposit, as in the case with the old style fitting. This is a very important point. It is these fittings that make the use of iron pipe for waste piping in a plumbing system practical, and by the use of these fittings you can use ordinary iron pipe for the waste piping in your plumbing system, and it will give just as good or better satisfaction in every way than if lead pipe were used. No soldering or wiping of joints, as required in a lead pipe installation. Any man who can cut and thread iron pipe, and screw it together, can do the work.

45 Degree Elb



45 DEGREE DRAINAGE ELBOW

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	1 1/4	2 1/4	3 1/4
3C55650—Black	11c	13c	16c
3C55651—Galv.	16c	19c	24c

90 Degree Elb



90 DEGREE DRAINAGE ELBOW

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	2	2 1/4	3 1/4
3C55652—Black	11c	13c	16c
3C55653—Galv.	16c	19c	24c

Long Sweep 90 Degree Elb



90 DEGREE LONG SWEEP DRAINAGE ELBOW

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	2 1/2	3 1/4	4 1/4
3C55654—Black ..	13c	15c	19c
3C55655—Galv. ..	19c	22c	28c

Long Sweep 45 Degree Elb



45 DEGREE LONG SWEEP DRAINAGE ELBOW

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	1 1/4	2 1/4	3 1/4
3C55656—Black ..	13c	15c	19c
3C55657—Galv. ..	19c	22c	28c

Tee Branch



DRAINAGE TEE BRANCH

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	3 1/4	5	7 1/2
3C55658—Black	20c	25c	40c
3C55659—Galv.	30c	37c	57c

Reducing Tee



DRAINAGE REDUCING TEE BRANCH

Size, in.	1 1/2	2
Weight, lbs.	5	7 1/2
3C55660—Black	37c	48c
3C55661—Galv.	57c	72c

"Y" Branch



DRAINAGE "Y" BRANCH

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	3 1/4	5	7 1/2
3C55662—Black	20c	25c	40c
3C55663—Galv.	30c	37c	57c

Reducing "Y"



DRAINAGE REDUCING "Y" BRANCH

Size, in.	1 1/2	2
Weight, lbs.	5	7 1/2
3C55664—Black	40c	50c
3C55665—Galv.	57c	72c

Twin Elb



DRAINAGE TWIN ELBOW

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	4	5	6
3C55666—Black	25c	40c	50c
3C55667—Galv. ..	37c	57c	67 1/2c

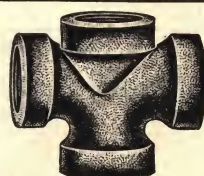
Twin Elb Reducing



DRAINAGE REDUCING TWIN ELBOW

Size, in.	1 1/2	2
Weight, lbs.	5	6
3C55668—Black	45c	55c
3C55669—Galv.	65c	80c

Cross



DRAINAGE CROSS

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	4 1/2	6	7 1/2
3C55670—Black	40c	53c	65c
3C55671—Galv.	57c	77c	95c

Reducing Cross



DRAINAGE REDUCING CROSS

Size, in.	1 1/4	1 1/2	2
Weight, lbs.	4 1/2	6	7 1/2
3C55672—Black	45c	60c	\$0.75
3C55673—Galv.	65c	90c	1.10

Plumbers' Tools, Stocks, Dies, Etc.

Armstrong Pattern Adjustable Pipe Stock and Dies

Armstrong Pattern Stock No. 2



The Armstrong Pattern Dies can be adjusted to the variations in the size of fittings and by reason of their peculiar cutting edge, can be worked with much less labor and accomplish the desired results in less time than with other dies.

All parts are standard in size and design, and interchangeable with similar parts of any of the standard makes of this pattern stock and dies.

The dies are made of the best quality tool steel accurately finished and fully guaranteed. **3C55120**—Set No. 2. Cutting 5 sizes of pipe 1/4 to 1 in., right hand. Length of stock with handles, 36 in. Packed complete in a neat wood box. Weight, 15 lbs. Per set.....**\$3.35**

Extra Pipe Dies

3C55121—For extra pipe dies, from 1/4 in. to 1 in., each size (two pieces). Weight, 12 oz.**.55c**

Extra Bolt Dies

3C55122—Bolt dies for threading rods, to fit No. 2 Stocks. Sizes, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 1 in.**.85c**

3C55123—Extra guides, for bolt dies. Each**.12c**

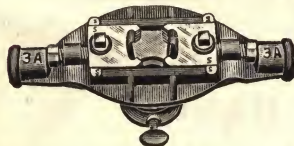
Armstrong Pattern Pipe Stocks No. 2 1/2



3C55124—Armstrong's pattern Adjustable Stock, No. 2 1/2, with 4 dies, cutting 1/4, 1/2, 3/4, 1 and 1 1/4 in. pipe, right hand; cut shows style of stock only; always sent complete. Length of stock with handles, 38 in. Weight, per set, 20 lbs.**\$3.40**

3C55125—Extra pipe dies. Each size, 2 pieces. Weight, 1 1/2 lbs.**\$1.13**
Bolt dies not made for No. 2 1/2 stock.

Armstrong Pattern Pipe Stocks No. 3



3C55126—Armstrong Pattern Adjustable Stock, No. 3, with three sizes pipe dies cutting 1 1/4, 1 1/2 and 2 in. Length of stock with handles, 54 in. Weight, per set, 35 lbs. Complete**\$5.30**

3C55127—Extra Pipe Dies. Each size, 2 pieces. Weight, 3 lbs.**\$1.40**

No. 6 Pipe Stock

3C55128—Armstrong Pattern Adjustable Stock, No. 6, for cutting pipe 2 1/2 and 3 in., right hand. Each stock contains 1 pair of double end dies, and four handles. Length of stock with handles, 6 ft. 5 in. Weight, per set, 72 lbs.**\$12.85**

3C55129—Extra Pipe Dies. Per set of 2 pieces. Weight, 5 lbs.**\$4.90**

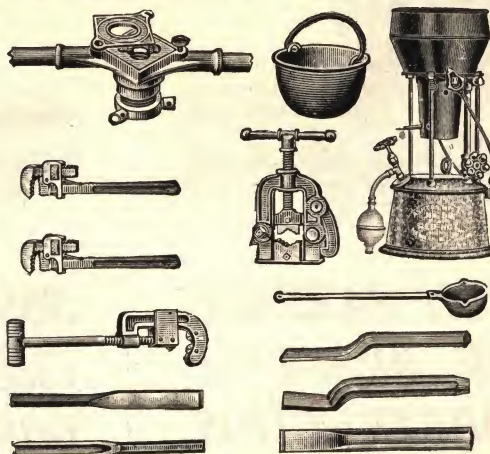
No. 7 Pipe Stock

3C55130—Armstrong Pattern Adjustable Stock, No. 7, for threading pipe 2 1/2, 3, 3 1/2, 4 in., right hand. Each stock contains four double end dies, and four handles. Length of stock with handles, 6 ft. 4 in. Weight, per set, 110 lbs.**\$19.15**

3C55131—Extra Pipe Dies. Per set of 4 pieces. Weight, 7 lbs.**\$6.05**

Complete Plumbers' Tool Set \$16.00

This Outfit is Loaned to Our Customers When a Complete Plumbing System is Purchased



3CP55164—Complete Plumbers' Tool Set. This outfit includes all tools required to install any of our complete plumbing systems. The outfit consists of the following:

One set No. 1 Stock and Dies, for threading pipe from 1/4 to 1 in. size; one set No. 2 Stock and Dies, for threading pipe from 1 1/4 to 2 in. size; one Pipe Vise No. 2, large size, for holding up to 3 1/2 in. pipe; one Plumbers' Blast Furnace, like illustration; one Cast Iron Melting Pot, for same; one Pouring Ladle; one Steel Calking Chisel, for calking lead in soil pipe joints; one Steel Cold Chisel, for cutting soil pipe; one 18 in. Stilson Pipe Wrench; one 1 1/4 in. Stilson Pipe Wrench; one Three-wheel Pipe Cutter, for cutting up to 2 in. pipe; one Yarning Chisel, for packing ukum in soil pipe joints; one Steel Plumbers' Wood Chisel, for chiseling out floors, etc., to run pipes; one Plumbers' Wood Gouge, for same purpose.

These chisels are of solid steel, without wood handles, and are intended for very hard service and lots of pounding. Will be found to be very handy tools on any plumbing job.

The above tools comprise practically all tools required to install our iron pipe plumbing systems. There is not a tool in this outfit that cannot be thoroughly mastered and handled by any man in a short time. This in itself is sufficient evidence to show that there is really nothing complicated about the work of installing one of our modern iron pipe thread plumbing systems.

Special price on above complete set Plumbers' Tool Outfit.....**\$16.00**

NOTE—We will be pleased to include this complete set of tools with an order for any of our complete plumbing systems. Tools will be added to order and charged to you at net price, as quoted above, and included with shipment. When you are through using the tools, you can return them to us, freight prepaid, and we will refund the amount charged for them less 10%, which will be charged for their use. This offer is made with the understanding that no tools are to be returned which are broken or damaged, beyond a reasonable allowance for ordinary wear.

Pump Stocks and Dies



Genuine Lightning Pump Makers' Stock and Die for cutting threads on steel rods, makes perfect screw at one cut. Made 1/32 in. over size to take unfinished rods.

3C55150—Style A, size of die, 3/4x14 thread. Weight, 1 lb.**\$1.15**

3C55152—Style B, size of die, 7/16x12 thread. Weight, 1 1/4 lbs.**\$1.27**

3C55153—Style C, size of die, 1/2x12 thread. Weight, 1 1/4 lbs.**\$1.47**

Weight, 4 oz. each

3C55154—Extra dies for above stocks. Size**\$0.85** 7/16x12 **\$1.05**

We cannot furnish any other size dies for these stocks.

Pipe Taps

3C55070—Pipe Taps with standard pipe threads. Best grade. Warranted. Made in sizes to correspond with pipe measurements, that is, a 1/4 tap will thread a fitting or opening taking pipe measuring 1/4 in. inside diameter.

Weights range from 1 to 3 1/2 lbs. each.
Size**17c** 1/4 **19c** 3/8 **23c** 1/2 **38c** 3/4 **47c**
Each**56c** 1 1/4 **69c** 1 1/2 **93c**

Burring Reamers

Extra quality steel, for reaming out pipe and for countersinking. With bit brace shank.

3C55072—For pipe 1/2 to 1 in. Tapers from 1 1/4 in. to 7/16 in. at point. Length of flute, 1 9/16 in. Weight, 5 oz. Usual \$1.00 value.**73c**

3C55073—For pipe 1/2 to 1 1/4 in. Tapers from 1 1/2 in. to 1/2 in. at point. Length of flute, 2 1/2 in. Weight, 8 oz.**\$1.00**

Pump Stocks and Dies

Genuine Lightning



3C55155—Double Stocks, for cutting steel pump rods. Has one die 3/4x14 thread, and one die 7/16x12 thread. Made 1/32 in. over size to take unfinished rods. Weight, 2 lbs. Price.....**\$2.00**

Extra Dies

3C55156—Extra dies for double stocks. Weight, 4 oz. each.

Size**3/4x14** 7/16x12 **97c**

We cannot furnish any other size dies for these stocks.

Die Holders and Tap

For Bit Brace

3C55148—For cutting thread on pump rods. We furnish dies for pump rods 3/8-14 thread and 7/16-12 thread. For bolts 3/8-16 thread and 7/16-14 thread. All 1/32 over size to take unfinished rods. Made in two sizes only, 3/4 and 7/16 in. Weight, 1 1/4 lbs. Give threads wanted.

Size In.	Die, Tap and Holder	Die Only	Tap Only
3/8	\$1.85	85c	30c
7/16	1.93	97c	33c

Steel Monkey Wrench



3C55180—Standard Screw Wrench, with wrought-iron bar, head and screws with wood handle. Usual 35c to 75c value.

Size	Weight	Each
8 in.	1 1/2 lbs.	24c
10 in.	2 lbs.	29c
12 in.	2 1/2 lbs.	35c
15 in.	3 1/2 lbs.	49c

Pipe Stock and Dies

\$2.45



3C55100 Malleable Iron Pipe Stock, with solid steel dies. Finely finished and quality guaranteed. Pipe taps not included.

Leader screws, as shown in illustration, are made only on the No. 2 stock. Not furnished in the smaller stocks.

The dimensions of the dies are as follows:
No. 0, 2x2 1/4 in.; No. 1, 2 1/2x2 1/4 in.; No. 1 1/2, 3x3 3/4 in.; No. 2, 4x4 1/2 in. Weights range from 6 1/2 to 26 lbs. per set.

3C55100—Stocks and Dies Complete

Size	Cuts Pipe, In.	Per Set
0	1/4, 1/2, 3/4, 1	\$2.45
1	1/2, 3/4, 1, 1 1/4	3.00
1 1/2	3/4, 1, 1 1/4, 1 1/2	2.78
2	1, 1 1/4, 1 1/2, 2	4.10

Extra Dies and Guides

No. of Stock	3C55101 Dies Each	3C55102 Guides Each
2	34c	8c
1 1/2	44c	10c
1	68c	12c
0	69c	12c
0	85c	12c

Always give pipe sizes when ordering extra dies and guides.

"Economy" Pipe Stock and Dies



3C55105 "Economy" Pipe Dies are made of the best steel, interlocked with two steel plates. The center of the stock is malleable iron, handles of steel tubing polished and knurled at ends to prevent slipping; very fast, easy cutting tools. Pipe taps not included.

The dimensions of the dies are as follows:
No. 0, 2x2 1/4 in.; No. 1 and 1 1/2, 2 1/2x2 1/4 in.; No. 1 1/2, 3x3 3/4 in.; No. 2, 4x4 1/2 in. square. Weights range from 7 1/2 to 25 lbs.

3C55105—Stocks and Dies Complete

Size	Cuts Pipe, In.	Per Set
0	1/4, 1/2, 3/4, 1	\$2.00
1	1/2, 3/4, 1, 1 1/4	2.93
1 1/2	3/4, 1, 1 1/4, 1 1/2	3.55
2	1, 1 1/4, 1 1/2, 2	2.70
2A	1, 1 1/4, 1 1/2, 2	4.90
2A	1, 1 1/4, 1 1/2, 2	5.00

Extra Dies and Guides

No. of Stock	3C55106 Dies Each	3C55107 G's Each
0	33c	10c
1 and 1B	42c	12c
1 1/2, 1 1/2A, 1 1/2C	55c	14c
2, 2A	75c	18c

Always give pipe sizes when ordering extra dies and guides.

Card's Tap Wrench



These wrenches have two steel jaws hardened and tempered. Highly polished.

3C55084—Tap Wrench, 5 in. long, will hold taps from 1/16 to 3/16. Weight, 1/2 lb. Each.....**72c**

3C55085—Tap Wrench, 10 in. long, will hold taps from 3/16 to 1/2. Weight, 1 lb. Each.....**\$1.45**

3C55086—Tap Wrench, 14 in. long, will hold taps from 1/2 to 3/4. Weight, 2 lbs. Each.....**\$2.20**

Malleable Pipe

Vise

Self-Locking Malleable Pipe Vise, made of a fine quality of malleable iron, with hardened jaws, and a self-locking latch. Carefully constructed and fully guaranteed.

3CP54514—Size 1; capacity, 1/2 to 2 in. pipe. Weight, 12 lbs.**\$1.04**

3CP54515—Size 2; capacity, 1/2 to 3 1/2 in. pipe. Weight, 16 lbs.**\$1.49**

PLUMBERS' FURNACES AND TOOLS

Gasoline and Alcohol Torches and Furnaces

Gasoline Blow Torch

\$2.25

One of the finest and most popular torches on the market. Made of polished brass with special bronze metal burner, and improved air pump. Produces a solid blue flame, generating about 1,500 degrees (Fahrenheit). It is easily regulated and will be found indispensable for paint burning, soldering, thawing out pipes, and for plumbers, tinner, electricians, etc. Has an adjustable solder iron holder, which can be easily removed if desired. Every torch is tested and warranted perfect.

2C50802—Capacity, 1 pint. Weight, 2 1/2 lbs. **\$2.25**

2C50803—Capacity, 1 qt. Weight, 2 1/2 lbs. **\$2.35**

Usual Value \$3.00 and up

Double Jet Brazing Torch

\$5.00

2C50807—Gasoline Torch with double jet burners, will burn in any position, and generates an intense heat of about 3,000 degrees (Fahrenheit). The burners are easily adjusted to produce either a large or small pointed flame. A fine torch for all light brazing, tempering, etc., and is capable of doing work heretofore deemed impossible with a blow torch. All parts of this torch are made of heavy brass and bronze, the pump is contained in the handle of the torch, and full directions for operating are attached. Capacity of tank, 1 quart, height over all, 9 in. Weight, 3 lbs. **\$5.00**

Gasoline Torch

2C50810—A compact little torch, for small work, made of brass, nickel plated, and will burn about three hours with one filling. It is heated and lighted with a match and is quickly started. Total height, 7 in.; diameter, 1 1/2 in. Wt., 6 oz. Each **86c**

Alcohol Pocket Torch

2C50814—For electricians, line-men, office and laboratory work. Made of brass, nickel plated, and consumes about 1/2 pint per hour. Height, 4 1/2 in.; diameter, 1 1/2 in. Weight, 10 oz. Each **\$1.45**

Gasoline Pocket Torch

2C50812—A powerful little torch, designed for use in corners and contracted spaces. Made of brass, is easily operated, and has a capacity of about 1/2 pint. Height, 8 1/2 in.; diameter, 1 1/2 in. Weight, 12 oz. Each **\$2.50**

Plumbers' Hammers

31c to 43c

4C51505—"LAKESIDE" Plumbers' or Machinists' Ball Pein Hammers. Solid forged steel with hickory handle

Size	Weight	Each
0 0	12 oz.	31c
0	1 lb.	33c
1	1 1/4 lb.	35c
2	1 1/2 lb.	37c
3	1 3/4 lb.	40c
4	2 lbs.	43c

Lakeside Combination Pliers

Nickel Plated

25c

4C52200—Drop forged from best tool steel. Highly nickel plated. One of the handiest little tools ever invented. It combines in one tool a gas plier, wire cutter, wrench and screw driver. It will be found to be a very convenient tool in the household. Can be set instantly to grip either large or small pipes, etc. A strictly high grade tool. Full Nickel Plated, fully guaranteed. Usual retail price 50c to 75c.

Length, in.	Weight, oz.	Each
6	8	10
8	10	12
10	12	14
12	14	16
14	16	18
16	18	20
18	20	22
20	22	24
22	24	26
24	26	28
26	28	30
28	30	32
30	32	34
32	34	36
34	36	38
36	38	40
38	40	42
40	42	44
42	44	46
44	46	48
46	48	50
48	50	52
50	52	54
52	54	56
54	56	58
56	58	60
58	60	62
60	62	64
62	64	66
64	66	68
66	68	70
68	70	72
70	72	74
72	74	76
74	76	78
76	78	80
78	80	82
80	82	84
82	84	86
84	86	88
86	88	90
88	90	92
90	92	94
92	94	96
94	96	98
96	98	100

Gas Pliers

4C52228—Best Quality Gas Pliers. Highly tempered joints. Finely polished and finished. This tool will be found much handier than a pipe wrench for loosening or tightening all small gas pipes, nipples, caps, chandelier fixtures, etc. No one who does any amount of this work should be without one.

Length, in.	Weight, oz.	Each
8	10	12
10	12	14
12	14	16
14	16	18
16	18	20
18	20	22
20	22	24
22	24	26
24	26	28
26	28	30
28	30	32
30	32	34
32	34	36
34	36	38
36	38	40
38	40	42
40	42	44
42	44	46
44	46	48
46	48	50
48	50	52
50	52	54
52	54	56
54	56	58
56	58	60
58	60	62
60	62	64
62	64	66
64	66	68
66	68	70
68	70	72
70	72	74
72	74	76
74	76	78
76	78	80
78	80	82
80	82	84
82	84	86
84	86	88
86	88	90
88	90	92
90	92	94
92	94	96
94	96	98
96	98	100

GASOLINE AUTO TORCH

2C50805—With flat shaped body, for use in narrow places, especially for automobile work. Has a swing support which prevents it from tipping when placed on the bench or floor. Fitted with solder iron holder, pump is contained in the handle and has a powerful burner. Capacity, 1 pt.; height over all, 9 in. Weight, 3 lbs. **\$3.20**

GASOLINE FURNACE

2C50822—Combination plumbers' tinner's and roofers' gasoline furnace, with 18-gauge seamless brass tank. Burner is mounted on a swing joint, enabling the operator to use the flame in any position. Will heat a pot of lead and a pair of soldering coppers at the same time. The hood can be taken off by means of a plug, and tank with burner used separately. Burner is not affected by wind or weather. Capacity, 3 quarts, height over all, 11 in.; diameter, 7 1/2 in. Weight, 8 lbs. Price, each **\$4.40**

Soldering Coppers

2C50864—Soldering Coppers. Square point. For plumbers' or tinner's use. Without handle. Prices subject to market changes.

Weight	Each
1 lb.	33c
1 1/4 lb.	46c
1 1/2 lb.	61c
2 lb.	76c
2 1/2 lb.	92c
3 lb.	1.25

Soldering Copper Handles

2C50865—Soldering Copper Handles, with wire ferrules. To prevent cracking of wood when shank is driven into handle. Weight, 2 oz. Each **2c**

Per dozen **18c**

Spring Gauge Proving Set

\$6.40

3C55618—Spring Gauge Proving Set, for testing out gas piping systems, etc. A safe and sure method of detecting slow leaks. Outfit consists of heavy brass cylinder hand pump, with heavy rubber hose, spring pressure gauge, relief cock, and couplings. A high grade outfit, fully guaranteed. Shipping weight, 20 lbs. **\$6.40**

Cold Chisels

3C54720—Best Cast Steel Cold Chisel. For cutting iron soil pipe, etc. Soil pipe is notched around its circumference with this chisel and can then be easily broken off. Octagon shape. Tempered and ground. Standard grade.

Size	Weight	Each
1/2 in.	1 lb.	11c
3/4 in.	1 1/2 lb.	19c
1 in.	2 lb.	25c
1 1/4 in.	2 1/2 lb.	31c
1 1/2 in.	3 lb.	37c
1 3/4 in.	3 1/2 lb.	43c
2 in.	4 lb.	49c
2 1/4 in.	4 1/2 lb.	55c
2 1/2 in.	5 lb.	61c
2 3/4 in.	5 1/2 lb.	67c
3 in.	6 lb.	73c
3 1/4 in.	6 1/2 lb.	79c
3 1/2 in.	7 lb.	85c
3 3/4 in.	7 1/2 lb.	91c
4 in.	8 lb.	97c
4 1/4 in.	8 1/2 lb.	1.03
4 1/2 in.	9 lb.	1.09
4 3/4 in.	9 1/2 lb.	1.15
5 in.	10 lb.	1.21
5 1/4 in.	10 1/2 lb.	1.27
5 1/2 in.	11 lb.	1.33
5 3/4 in.	11 1/2 lb.	1.39
6 in.	12 lb.	1.45
6 1/4 in.	12 1/2 lb.	1.51
6 1/2 in.	13 lb.	1.57
6 3/4 in.	13 1/2 lb.	1.63
7 in.	14 lb.	1.69
7 1/4 in.	14 1/2 lb.	1.75
7 1/2 in.	15 lb.	1.81
7 3/4 in.	15 1/2 lb.	1.87
8 in.	16 lb.	1.93
8 1/4 in.	16 1/2 lb.	1.99
8 1/2 in.	17 lb.	2.05
8 3/4 in.	17 1/2 lb.	2.11
9 in.	18 lb.	2.17
9 1/4 in.	18 1/2 lb.	2.23
9 1/2 in.	19 lb.	2.29
9 3/4 in.	19 1/2 lb.	2.35
10 in.	20 lb.	2.41
10 1/4 in.	20 1/2 lb.	2.47
10 1/2 in.	21 lb.	2.53
10 3/4 in.	21 1/2 lb.	2.59
11 in.	22 lb.	2.65
11 1/4 in.	22 1/2 lb.	2.71
11 1/2 in.	23 lb.	2.77
11 3/4 in.	23 1/2 lb.	2.83
12 in.	24 lb.	2.89
12 1/4 in.	24 1/2 lb.	2.95
12 1/2 in.	25 lb.	3.01
12 3/4 in.	25 1/2 lb.	3.07
13 in.	26 lb.	3.13
13 1/4 in.	26 1/2 lb.	3.19
13 1/2 in.	27 lb.	3.25
13 3/4 in.	27 1/2 lb.	3.31
14 in.	28 lb.	3.37
14 1/4 in.	28 1/2 lb.	3.43
14 1/2 in.	29 lb.	3.49
14 3/4 in.	29 1/2 lb.	3.55
15 in.	30 lb.	3.61
15 1/4 in.	30 1/2 lb.	3.67
15 1/2 in.	31 lb.	3.73
15 3/4 in.	31 1/2 lb.	3.79
16 in.	32 lb.	3.85
16 1/4 in.	32 1/2 lb.	3.91
16 1/2 in.	33 lb.	3.97
16 3/4 in.	33 1/2 lb.	4.03
17 in.	34 lb.	4.09
17 1/4 in.	34 1/2 lb.	4.15
17 1/2 in.	35 lb.	4.21
17 3/4 in.	35 1/2 lb.	4.27
18 in.	36 lb.	4.33
18 1/4 in.	36 1/2 lb.	4.39
18 1/2 in.	37 lb.	4.45
18 3/4 in.	37 1/2 lb.	4.51
19 in.	38 lb.	4.57
19 1/4 in.	38 1/2 lb.	4.63
19 1/2 in.	39 lb.	4.69
19 3/4 in.	39 1/2 lb.	4.75
20 in.	40 lb.	4.81

PLUMBERS' TOOLS

Shave Hook

3C55620—With sharp steel blade, like illustration. For scraping surfaces on lead pipe or sheet lead, before soldering or wiping joints. Weight, 4 oz. Each **16c**

Wood Turn Pins

3C55624—Best quality.

Size	No.	Weight	Each
1/2 in. diam.	1	2 1/2 in.	12c
3/4 in. diam.	2	2 1/2 in.	13c
1 in. diam.	3	2 1/2 in.	14c
1 1/4 in. diam.	4	2 1/2 in.	15c
1 1/2 in. diam.	5	2 1/2 in.	16c
1 3/4 in. diam.	6	2 1/2 in.	17c
2 in. diam.	7	2 1/2 in.	18c
2 1/4 in. diam.	8	2 1/2 in.	19c
2 1/2 in. diam.	9	2 1/2 in.	20c
2 3/4 in. diam.	10	2 1/2 in.	21c
3 in. diam.	11	2 1/2 in.	22c
3 1/4 in. diam.	12	2 1/2 in.	23c
3 1/2 in. diam.	13	2 1/2 in.	24c
3 3/4 in. diam.	14	2 1/2 in.	25c
4 in. diam.	15	2 1/2 in.	26c
4 1/4 in. diam.	16	2 1/2 in.	27c
4 1/2 in. diam.	17	2 1/2 in.	28c
4 3/4 in. diam.	18	2 1/2 in.	29c
5 in. diam.	19	2 1/2 in.	30c
5 1/4 in. diam.	20	2 1/2 in.	31c
5 1/2 in. diam.	21	2 1/2 in.	32c
5 3/4 in. diam.	22	2 1/2 in.	33c
6 in. diam.	23	2 1/2 in.	34c
6 1/4 in. diam.	24	2 1/2 in.	35c
6 1/2 in. diam.	25	2 1/2 in.	36c
6 3/4 in. diam.	26	2 1/2 in.	37c
7 in. diam.	27	2 1/2 in.	38c
7 1/4 in. diam.	28	2 1/2 in.	39c
7 1/2 in. diam.	29	2 1/2 in.	40c
7 3/4 in. diam.	30	2 1/2 in.	41c
8 in. diam.	31	2 1/2 in.	42c
8 1/4 in. diam.	32	2 1/2 in.	43c
8 1/2 in. diam.	33	2 1/2 in.	44c
8 3/4 in. diam.	34	2 1/2 in.	45c
9 in. diam.	35	2 1/2 in.	46c
9 1/4 in. diam.	36	2 1/2 in.	47c
9 1/2 in. diam.	37	2 1/2 in.	48c
9 3/4 in. diam.	38	2 1/2 in.	49c
10 in. diam.	39	2 1/2 in.	50c

Wiping Cloth

3C55628—Made of soft ticking. Size, about 3x3 in. Weight, 1 oz. Each **8c**

Bending Pin

3C55632—Made of 1/2 in. round steel. Weight, 1 lb. Each **10c**

Calking Chisel

3C55634—Regular pattern. Made of 3/4 in. octagon steel. Weight, 1 1/2 lbs. Each **15c**

Wood Chisel

3C55638—Made of one piece steel, polished blade. Will stand lots of pounding and hard use. Weight, 6 to 10 oz.

Size	Length	Weight	Each
1/2 in.	9 1/2 in.	2 1/2 lb.	24c
3/4 in.	10 in.	3 lb.	28c
1 in.	11 in.	3 1/2 lb.	31c
1 1/4 in.	11 1/2 in.	4 lb.	34c
1 1/2 in.	12 in.	4 1/2 lb.	37c
1 3/4 in.	12 1/2 in.	5 lb.	40c
2 in.	13 in.	5 1/2 lb.	43c
2 1/4 in.	13 1/2 in.	6 lb.	46c
2 1/2 in.	14 in.	6 1/2 lb.	49c
2 3/4 in.	14 1/2 in.	7 lb.	52c
3 in.	15 in.	7 1/2 lb.	55c
3 1/4 in.	15 1/2 in.	8 lb.	58c
3 1/2 in.	16 in.	8 1/2 lb.	61c
3 3/4 in.	16 1/2 in.	9 lb.	64c
4 in.	17 in.	9 1/2 lb.	67c
4 1/4 in.	17 1/2 in.	10 lb.	70c
4 1/2 in.	18 in.	10 1/2 lb.	73c



EVERY REASON IN THE WORLD WHY YOU SHOULD HAVE ONE OF OUR SPLENDID "VICTOR" STATIONARY POWER VACUUM CLEANERS



FOR PERMANENT INSTALLATION

FOR PERMANENT INSTALLATION in Residences, Apartment Buildings, Stores, Schools, Hotels, Theatres, Libraries, Hospitals, Factories, Garages, Livery Barns, etc.—wherever it is desired to have things dustless and sanitary. Also excellently adapted for commercial portable work.

OUR GUARANTEE

We absolutely guarantee, and stand back of our "Victor" Vacuum Cleaning Machine. If you find our "Victor" Vacuum Cleaner unsatisfactory after 30 days' trial, the machine may be returned at our expense and your money, including freight charges, will be cheerfully refunded. Could anything be fairer?

EASILY AND CHEAPLY INSTALLED IN ANY BUILDING BY ANY MECHANIC OR HANDY MAN



THE OLD WAY



Furniture moved, dust raised and inhaled, wear and tear on housewife and furnishings.

THE NEED OF EFFICIENT CLEANERS

Dr. Evans, former Health Commissioner of Chicago, says in the Chicago Tribune: "Statistics show that carpet beaters die from consumption like flies in autumn. Though it cannot be shown by statistics, they revel in colds during the Spring cleaning season. There they stand, breathing in the germ-laden dust, the dust that the housewife knows she must get rid of if her family is to keep well. The danger of carpet beaters' and sweepers' dust, though, lies in the fact that not all die from it, and none of them drops dead as he beats. If they did, carpet beating and sweeping would stop at once."

Our "Victor" Stationary Vacuum Cleaners have a suction so powerful as to draw the dirt right out of carpets, drapes, furniture, etc., and pass it directly down to the machine, without scattering any of the deadly dust in the air to be inhaled.

Once you have tried our powerful "Victor" Vacuum Cleaner, and have seen the astonishing amount of dirt it sucks up by merely passing the cleaning tool over rugs, carpets, drapes, furniture, clothes—all this without stirring up any dust—you will be really an exception if you do not say that you would rather have paid twice our price, than remain without this powerful, labor-saving, health-protecting Cleaner. You save the expense of brooms and dusters, and the wear and tear on your furnishings.

By selling direct to the consumer, we are able to sell these machines at our low prices, which are only about one-half of those charged by other large concerns for similar machines. "Victor" Stationary Cleaners are easily and cheaply installed in any building.

THE NEW WAY



No furniture moved, no dust or germs inhaled, no wear on anything—a happy, healthy housewife.

DESCRIPTION OF OUR "VICTOR" VACUUM CLEANERS

Our machines are substantially constructed, and free from complicated parts. No valves to get out of order. No internal mechanism to give trouble. A machine that will give satisfactory service for a lifetime, with but ordinary attention.

The pump or exhauster is of the two-shaft type. This type has proved to be the most efficient form of construction. The shafts turn in opposite directions, carrying two non-rusting suction blades (impellers), which fit closely to the iron case in which they are enclosed, and to each other, but do not touch. This slight clearance is sealed by water, which is automatically circulated through the pump itself. When there is danger of freezing, this water may be drawn off. The rapid revolutions of the blades produce a powerful, continuous suction. From the exhauster the dirt is drawn into the dirt chamber, or pipe, through an opening near the center of tank. Most of it promptly falls to the bottom of tank, while the light, "feathery" dust flies against the canvas bag. That which does not drop off when the machine stops will drop when the bag is shaken occasionally. The dirt is emptied through the removable bottom plate, and may be disposed of in such a manner as to avoid any danger from disease germs contained therein.

as the exhauster will operate satisfactorily without it. The rapid revolutions of the blades produce a powerful, continuous suction. From the exhauster the dirt is drawn into the dirt chamber, or pipe, through an opening near the center of tank. Most of it promptly falls to the bottom of tank, while the light, "feathery" dust flies against the canvas bag. That which does not drop off when the machine stops will drop when the bag is shaken occasionally. The dirt is emptied through the removable bottom plate, and may be disposed of in such a manner as to avoid any danger from disease germs contained therein.

At top of dirt chamber is a loose plug, connected by a chain to the double walled, canvas dust-filtering bag. When pulled, this plug shakes and cleans the bag, preventing its fabric from becoming clogged up and restricting the flow of air. These parts are readily accessible from above by loosening bolts that clamp down the cover, and by opening the union in the pipe. The dirt is drawn into dirt chamber from the suction hose, or pipe, through an opening near the center of tank. Most of it promptly falls to the bottom of tank, while the light, "feathery" dust flies against the canvas bag. That which does not drop off when the machine stops will drop when the bag is shaken occasionally. The dirt is emptied through the removable bottom plate, and may be disposed of in such a manner as to avoid any danger from disease germs contained therein.

PARTS OF "VICTOR" CLEANERS

1. Connection with Vacuum Pipe leading up through the building, or with Suction Hose when used as a portable outfit.
2. Double Walled Canvas Dust-separating Bag. Condenses the dust and deposits it in the tank.
3. Bag Shaker Plug. Connected by chain with dust-separating bag.
4. Relief Valve. To prevent overloading the power supply.
5. Circulating Water Pipe. For sealing slight clearance in Exhauster.
6. Impellers. They create the Suction the same as a plunger in a pump, but without valves or other troublesome parts.
7. Water-filling Plug. Water is added here occasionally to maintain a certain level.
8. Air Exhaust. Point from where the cleaned air is discharged.

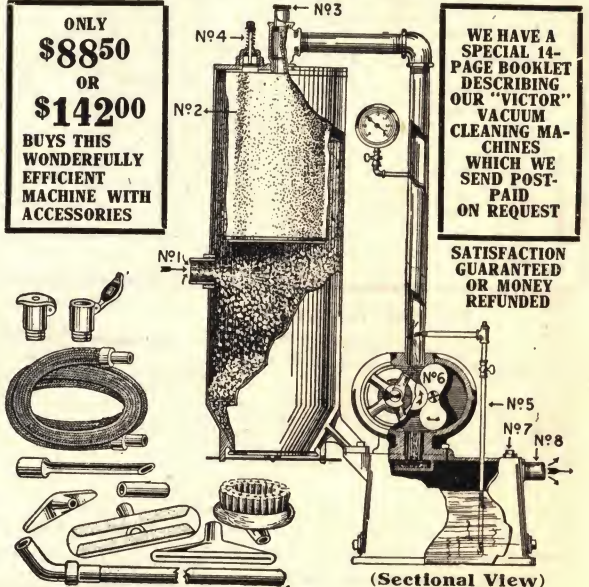
ACCESSORIES FURNISHED WITH EACH MACHINE

As regular equipment, we furnish with each machine the following accessories: 2 nickel plated self-closing inlet valves for wall or baseboard; 30 feet of 1-inch green silkene braid-covered vacuum hose, to fit inlet valves and cleaning tools; 1 four-foot nickel plated hollow cleaner handle, with swivel joint; 1 nickel plated 12-inch carpet tool; 1 nickel plated, 4-inch upholstery tool; 1 nickel plated, narrow, 1-inch tuft or radiator tool; 1 nickel plated, felt faced, 14-inch tool; 1 8x2½ inch brush tool; 1 plain rubber nozzle, for use where the tuft tool might scratch.

We also include a 1-quart can of lubricating oil; an oil funnel for filling the bearings on exhauster; a water funnel for filling water reservoir in the base of exhauster; a dirt pan for emptying the dirt from the bottom of dirt chamber. Illustration does not show these.

Our booklet with full instructions is also included.

ONLY
\$8850
OR
\$14200
BUYS THIS
WONDERFULLY
EFFICIENT
MACHINE WITH
ACCESSORIES



WE HAVE A
SPECIAL 14-
PAGE BOOKLET
DESCRIBING
OUR "VICTOR"
VACUUM
CLEANING MA-
CHINES
WHICH WE
SEND POST-
PAID
ON REQUEST

SATISFACTION
GUARANTEED
OR MONEY
REFUNDED

(Sectional View)

SPECIFICATIONS AND PRICES

Catalogue No. of "VICTOR" CLEANERS	5CF50740 (Size No. 1)	5CF50742 (Size No. 2)
Floor Space.....	13x26 Inches	22x32 Inches
Height.....	49 Inches	49 Inches
Approximate Weight.....	190 Lbs.	330 Lbs.
Standard Pulley furnished.....	5x2 In. Face	9x3 In. Face
Revolutions per minute.....	1700	850
Air passed, per minute.....	40 Cu. Ft.	80 Cu. Ft.
Minimum power required.....	¾ H. P.	1½ H. P.
Price, at factory, in Northern Illinois.....	\$88.50	\$142.00

IMPORTANT—If you already have an engine, be sure to give speed; also diameter and width of pulley, and of fly wheel as well. We will then fit the Cleaner with a pulley of suitable size to obtain the required speed.

SUCTION HOSE

5CF50732 Heavy Rubber Suction Hose. Is 1½ inch inside diameter. Wire insertion. Used especially on portable outfits for leading from the dirt tank to the lighter silkene-covered Vacuum Hose used in the building (of which we supply a 30-ft. section with outfit). Weight, per foot, about 1 lb. Price (at factory, Northern Illinois), per ft. **30c**

5CF50733 Green Silkene Braid-covered, 1-inch Suction Hose. 30 feet included with machine; occasionally more is desired. Fitted both ends with taper nipples. Weight, per foot, about ¼ lb. Price (at factory, Northern Illinois), per foot..... **30c**

CURRY COMB TOOL

5CF50734 Fits on the silkene-covered hose which is furnished with cleaner. Gives excellent results on horses, cows, etc. Removes dirt and insects without raising dust and odor. Weight, ¼ lb. Price (at factory, Northern Illinois), each..... **90c**

PIPE, ETC.

Order the Pipe (black or galvanized), 90° Drainage Y's, Floor Plates, Nipples, Couplings (wrought couplings will do), Reducers, reducing Bushings, etc., from other pages of this catalogue.

If you cannot determine what pipe and fittings you will need, we will be glad to quote you a price on such pipe and fittings as will be necessary, if you will send us a sketch of each floor and basement, showing location, size, and height of rooms and height of basement, also thickness of floors. Our "Victor" Machines are easy to install.

BELTING

Order the belting, if you need it, from our large general Catalogue. Use 1½-inch leather belt for Size No. 1 Cleaner, and 2-inch leather belt for Size No. 2 Cleaner. If exposed to the weather, or used in a very damp place, we recommend the use of rubber or stitched canvas belting.

ENGINES

If you desire a gasoline engine for use with the "Victor" Cleaner, order it from our large general Catalogue. Use our "Dairy Maid" 1 horse power engine for Size No. 1 Cleaner. Use our "Bull's Eye" 2 horse power engine for Size No. 2 Cleaner.

IMPORTANT—If you order an engine from us, be sure to mention it in your letter, so that we may furnish the proper size pulley on the cleaner to give the required speed. If you already have an engine, be sure to give the following: Speed; diameter and width of pulley; diameter and width of fly wheel.

MOTORS

Write for price if you desire an electric motor to drive the Cleaner. Give the following information: Size of Cleaner for which motor is wanted; Voltage of your electrical circuit; direct or alternating; Number of Phases, and Cycles per second, if alternating current.

This is the way most people install their "Victor" Cleaner. It is simple, inexpensive and out of the way. Requires regular 1½ inch pipe and 1½ inch, 90 degree drainage type Tee Y's as elbows or tees. These fittings are so formed that by their use a uniform diameter is maintained throughout the vacuum line. This is explained on Page 47, where Drainage Fittings are listed. Where desired, the vacuum pipe may be simply run up through the first floor, and a flush floor-inlet attached at the end of the pipe on the first floor. This very simple way is especially adapted for one-story houses; it would, however, necessitate a rather long length of hose to reach rooms on an upper floor in houses of two stories.

\$ ONLY 8⁷⁵ FOR THIS WINDMILL FORCE PUMP

OUTFIT ALL COMPLETE and READY FITTED FOR TWENTY FIVE FOOT WELL

PUMP INFORMATION

How to Select a Pump That Is Best Suited to Your Requirements

There is such a large variety of conditions to be met with in pumping water in different localities of the country, that it has become necessary to design many different kinds of pumps, each particularly well adapted to meet the conditions under which it is designed to work.

In sections of the country where wells are very deep, the strain on the pump is necessarily much greater, and therefore the heavier style pump should always be ordered.

Where the distance to the surface of the water is not great, a pump of lighter build answers the purpose more satisfactorily, as it is much easier handled, and will give just as satisfactory service under these conditions as the heavier type.

Our pumps are furnished with and without windmill head for attachment to windmill or pump jack.

Laws Governing Elevation of Water

The general laws governing the raising of water by means of a pump are extremely simple, yet the principle is often poorly understood. Water theoretically can be drawn up vertically by suction in a pipe a distance of 30 to 33 ft. But it has been found in practice that the safe practical limit of lifting water by suction in this way is 25 ft.

In other words, the cylinder of a pump should always be at least within 25 ft. of the top surface of the water in the well. As the water in some wells varies in depth at different seasons of the year, a margin of safety should always be allowed.

For instance, if the lowest water level during the dry season of the year in wells in your section of the country is within about 30 ft. of the surface of the ground, then you can use one of our regular set length pumps.

These set length pumps are all ready made, and assembled at the factory, as shown in the illustration on this page; that is, the working head of the pump and the cylinder are fitted together and adjusted, ready for operation. All that is necessary to do is to screw a length of pipe into the bottom of the cylinder, with a foot valve and strainer on the bottom. When the pump is operated, water will be drawn up by suction to the cylinder, and after reaching the cylinder, if the pump is a **force pump**, as shown in this illustration, the water can be lifted to the spout and drawn off; or the spout cock can be closed, and the water forced to an elevated tank, or to any distance desired.

If pump is a **lift pump**, then water will simply be lifted to the spout, where it will flow freely as long as the pump is in operation.

WINDMILL FORCE PUMP

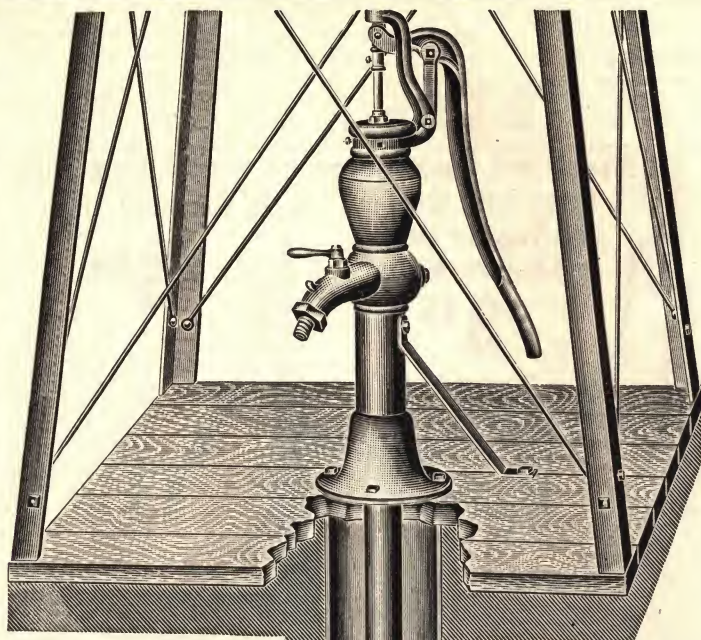
Complete Ready-made Windmill Force Pump Outfit. All out and fitted ready to be placed in 25 ft. well, like illustration on this page. Pump is anti-freezing, with 3 in. cylinder set 4 ft. below pump standard. We furnish a length of 1 1/4 in. galvanized iron pipe 20 feet long, with foot valve and strainer, to reach the water in the well. When the pump arrives, all you have to do is screw the pipe and strainer into the bottom of the cylinder, as shown in illustration. Mount pump on a platform over the well and it is ready for action.

This is a very desirable Force Pump, with windmill head for forcing water to elevated tanks, stock watering troughs, etc. It is furnished complete with cock spout and hose couplings, as shown in illustration. Back of spout is tapped for 1 1/4 in. iron pipe. This opening is closed with a screw plug, which is removed if you wish to connect a discharge pipe to the pump at this point.

Stroke of pump, 6 in. This pump is suitable for all wells where lowest level of water is not more than 30 ft. from surface of ground. If water in your well is at a greater distance than this below ground level, it will be necessary for you to order one of our deep well pumps, listed on following pages. Weight of outfit, 140 lbs.

3CP55834—Complete Windmill Force Pump Outfit, as described and illustrated on this page. **\$8.75**

For wells 25 ft. deep **\$8.75**
3CP55835—Complete Windmill Force Pump Outfit, as described. For wells 30 ft. deep. **9.20**



The Lift Pump

Where it is desired simply to draw water at the pump, a plain lift pump answers the purpose, and should always be ordered. It is of simpler construction than the force pump, and easier to operate. Do not order a force pump, therefore, if a lift pump will serve your purpose.

The Force Pump

The force pump is essential where it is desired to pump water to an elevated storage tank, or to a distant stock watering trough, etc. It is built as shown in illustration on this page. The pump rod works through a water-tight stuffing box in the pump head, and the pump head is tapped for 1 1/4 in. iron pipe, just in back of spout; so that by running a pipe from this connection to an elevated tank or distant trough, the water may be forced or elevated any reasonable distance by closing the spout cock shown in illustration.

A check valve should be placed in this discharge pipe leading from back of pump, so that water pumped to tank cannot return. When it is desired to draw water from pump at spout, it is simply necessary to open the spout cock. When the pump is started, the water can be drawn directly from the spout.

For Forcing Water to a Distant Point Under Ground

Where it is desired to force water to an elevated storage tank at a distant point, or to a pneumatic tank for storage, and it is desired to carry piping under ground for protection from freezing, then it is necessary to use a three-way force pump.

This pump is fitted with a three-way cock, located in well pit below frost line, and is operated at spout, so that water can be directed either through underground pipe, or drawn off at spout, as desired.

CYLINDER For Shallow Wells

For real shallow wells, where the water comes to the surface within 20 feet or so, and where it is not desired to operate pump with windmill, our horizontal double-acting pumps 3CP55931 or 3CP55936, are recommended. These are very efficient pumps. It is simply necessary to connect a pipe to the suction inlet on the pump, and extend it down into the well.

Set Length Pumps

The advantage of set length pumps lies in the fact that they come to you all ready made. No trouble of fitting, connecting, etc., after they reach you. Simply extend a piece of pipe out of the bottom of the cylinder, down below the water level of the well, with strainer, as before explained, and the job is done.

If the water in your well does not get lower than 30 feet below the surface of the ground, we advise that you order a set length pump, and will guarantee it to give you satisfaction.

How To Order

We give in the following pages a clear detailed description of all the different pumps we list. We have a variety of pumps sufficiently large to cover every possible requirement, and you should have no trouble in selecting a pump from this list that will fully meet any conditions that you may have to contend with.

The particular advantages of each different type of pump are fully explained. In selecting a pump that will best meet your requirements, read the descriptions of these various pumps carefully, and you will surely find the pump you are looking for.

After you have selected the proper pump, you can refer to price list table on Pages 55 and 56 of this book, where you will find price quoted for pump outfit complete, for any depth of well.



IRON WELL PUMPS THAT GIVE SATISFACTION

Our line of Pumps, Pump Cylinders, Fittings and Pump Supplies listed on these pages, is of the very best manufacture. Our cast iron pump standards are made from the very best quality soft gray iron, clean, smooth castings, carefully filed, finished and painted. They are properly designed and constructed. These pumps should not be compared to the many light weight, inferior pumps to be found on the market. They are strong, substantial and durable, and are intended and guaranteed for long, continued use.

We have endeavored in the description of each of the different pumps listed, to explain just what particular conditions each particular pump is best adapted for. If you will read the descriptions carefully, and also the general instructions given on Page 51, you should have no trouble in selecting the pump which is best suited for your requirements. If you are in doubt, write us explaining the conditions that you have to contend with, giving depth of well, lowest water level (measuring from surface of ground), and diameter of well. State whether you wish a lift pump or a force pump; and whether you wish to connect to windmill; or if you wish to use a plain hand pump. On receipt of this information we will prepare a complete estimate for you, and our proposal will be sent to you by return mail.

FITTING PUMPS COMPLETE

For fitting pumps complete, ready to put in the well, we make a nominal charge to cover the cost of steel plunger rod and the labor involved, as follows: For fitting cylinder down 10 ft. or less, 50c; for each additional foot, 5c per foot. Please note that this charge for fitting does not include the suction pipe. Pipe is always charged extra, depending upon the size and kind wanted.

A Substantially Built Easy Working Lift Pump for Wells of Moderate Depth

\$2.25



Well Lift Pump Standard, of heavy construction, and correctly designed. Pump is very easy working and may be used for pumping from wells up to 50 ft. deep. For deeper wells we recommend our heavier pump standards, listed on this page.

Price quoted is as shown in illustration. In figuring complete outfit it is necessary to add pump cylinder, and sufficient pipe and pump rod, so that cylinder may be placed in water. For greatest efficiency we recommend that cylinder be immersed in water.

This pump is a lift pump, intended for raising water only to spout. It cannot be used to force water to elevated tank or water supply system. Water may be conveyed from pump spout to stock watering trough, etc., through the use of one of our pump spout attachments (No. 3CP55890), listed at bottom of Page 57.

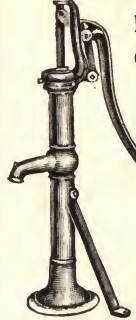
Attention is also called to the fact that it is a hand pump and cannot be attached to windmill or pump jack. Pump is tapped to receive 1 1/4 in. iron pipe, for extension down into well. Shipping weight, 40 lbs.

3CP55840—6 in. stroke. Each \$2.25

NOTE—For price of the above standard, fitted complete, for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

A Strong and Durable Lift Pump with Windmill Top for Deep or Shallow Wells

\$3.45



This Pump Standard may be used in connection with windmill or pump jack, for pumping water from wells up to 100 feet deep. It is a very carefully designed pump standard, of practically the same build as our No. 3CP55840, except that it is of heavier construction, and designed for windmill or pump jack connection.

This standard can be used as a lift pump only. It cannot be used to force water to elevated tank or water supply system. Water may be conveyed from spout to stock watering trough, etc., by using pump spout attachment (No. 3CP55890), shown at the bottom of Page 57. Iron pipe is screwed into this attachment, and the water flows by gravity from the spout to the tank which it is desired to fill. Tank, of course, must be placed lower than pump spout.

Prices quoted below are for Pump Standard only. For complete pump outfit it will be necessary to add pump cylinder and sufficient pipe and pump rod, so that cylinder may be immersed in water of well. Standard is tapped for 1 1/4, 1 1/2, or 2-inch pipe for extension down into well. Size pipe required will depend upon size cylinder ordered. For pump cylinders, pump rod, etc., see Page 58.

Shipping weight about 60 lbs.

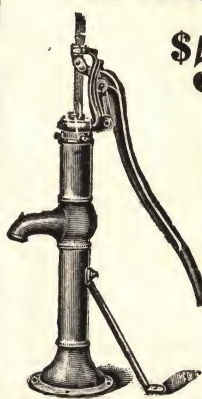
3CP55842—Six inch stroke. Each \$3.45

3CP55843—Ten inch stroke. Each \$3.90

NOTE—For price of the above standard, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

Large Capacity Stock Pump with Windmill Top

\$5.10



Heavy Lift Pump Standard, with extra large spout. Designed for stock pump, where a large amount of water is required. Suitable for wells up to 100 feet deep. The spout has a full 2 in. opening. The body of the pump is large in proportion. Tapped for 2 in. or 2 1/2 in. suction pipe from well.

This is a lift pump only. It cannot be used as a force pump, to force water to elevated tank or water supply system. Water, however, may be conveyed from spout by using pump spout attachment, same as explained in connection with our pump No. 3CP55842. Price quoted is for pump standard only, as described. For complete outfit it will be necessary to add pump cylinder and sufficient pipe and pump rod, so that cylinder may be immersed in water of well. Shipping weight, 80 lbs.

3CP55846—Six inch stroke. Each \$5.10

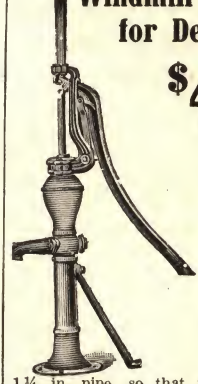
3CP55847—Ten inch stroke. Each \$5.60

Size tapping in pump and length of stroke will depend upon size of cylinder. In ordering, be sure to give sizes correctly.

NOTE—For price of the above standard, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

A Strong Heavily Built Windmill Force Pump for Deep Wells

\$4.55



Force Pump, for windmill or hand use. Has a bolted top and an extra large solid piston rod. A strong, durable pump, guaranteed to give satisfaction in the hardest kind of service. This standard may be used for wells up to 100 ft. deep.

This is a force pump, tapped in back of spout for 1 1/4 in. pipe, so that water may be forced to elevated tank, water supply system, or stock watering trough, any distance away. When used in this way it will be necessary to have a cock spout. Pump is ordinarily furnished with open spout and detachable nipple for connection to 3/4-inch hose.

If wanted with cock spout, add \$6c to prices quoted. Fitted for 1 1/4, 1 1/2, or 2-inch suction pipe. Size of suction pipe and length of stroke will depend upon size of cylinder. In ordering, be sure to state what size suction pipe standard is to be tapped for.

Prices quoted below are for standard only. For outfit complete, add pump cylinder and sufficient pipe and pump rod of proper size, so that cylinder may be immersed in water of well. Shipping weight, 70 lbs.

3CP55850—Six inch stroke. Each \$4.55

3CP55851—Adjustable stroke. Each \$5.00

NOTE—For price of the above standard, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

Windmill Force Pump with Long Oscillating Fulcrum Link

\$5.10



Our new Force Pump with long, oscillating fulcrum link, pivoted at base, as shown in illustration. This relieves the cap from strain, reducing friction, and making the pump much easier working. Suitable for wells up to 100 ft. deep.

This is a force pump, and may be used for forcing water to elevated tank, or water supply system, stock watering trough, etc., any distance away. Used in this way, pump should be fitted with cock spout. Ordinarily furnished with open spout for 3/4-inch hose attachment.

If cock spout is wanted, be sure to specify on order and add \$6c to prices quoted. Standard is fitted for 1 1/4, 1 1/2, or 2-inch suction pipe. Size of pipe and length of stroke will depend upon size of cylinder. In ordering, be sure to state size wanted. Prices quoted are for pump standard only. For complete outfit add cylinder, and proper size pipe and pump rod, so that cylinder may be immersed in water of well. Ship. weight, 70 lbs.

3CP55854—Six inch stroke. Each \$5.10

3CP55856—Ten inch stroke. Each \$5.60

NOTE—For price of the above standard, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

Windmill Force Pump with Air Chamber in Top. Strong and Substantially Built

\$4.45



A neat, solid and compact Force Pump Standard, for windmill or pump jack connection. Suitable for wells up to 100 ft. deep. Standard is tapped at back of spout for 1 1/4 in. iron pipe. This is a force pump, and may be used to force water to elevated storage tank, stock watering trough, or water supply system, any distance away. Used in this way it is necessary to have pump fitted with cock spout. Pump is ordinarily furnished with open spout, with detachable connection for 3/4 in. hose. If cock spout is wanted, add \$6c to prices quoted. Standard is tapped for 1 1/4, 1 1/2 or 2 in. suction pipe. Size of pipe and length of stroke will depend upon size of cylinder.

Prices quoted are for Pump Standard only. For complete outfit add cylinder and sufficient pipe and pump rod, so that cylinder may be immersed in water of well. Standard is sure to state what size suction pipe standard is to be tapped for. Shipping weight, 70 lbs.

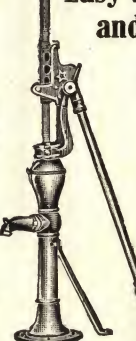
3CP55858—Six inch stroke. Each \$4.45

3CP55859—Ten inch stroke. Each \$4.95

NOTE—For price of the above standard, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

Geared Head Force Pump with Windmill Top. Easy Working. Strong and Durable

\$4.80



Geared Head Force Pump, with windmill top. An easy-acting pump of large capacity. Strong and substantial. Scientifically designed to give the greatest efficiency with least exertion. It is without any question the easiest working pump on the market. Suitable for wells up to 100 ft. deep. Tapped at back of spout for 1 1/4 in. iron pipe.

This is a force pump, and may be used for forcing water to elevated tank, or water supply system. Used in this way pump should be fitted with cock spout. Pump is regularly furnished with open spout. If cock spout is wanted, add \$6c to prices quoted. Tapped for 1 1/4, 1 1/2 or 2 in. suction pipe. Size of suction pipe will depend upon size of cylinder.

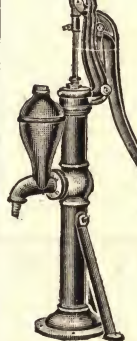
Price quoted below is for Pump Standard only. For complete outfit add pump cylinder, and sufficient suction pipe and pump rod so that cylinder may be immersed in water of well. Shipping weight, 70 lbs.

3CP55862—Six inch stroke. Each \$4.80

NOTE—For price of the above standard, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

Extra Heavy Force Pump Built for Heavy Pumping and Hard Usage

\$7.25



For windmill or hand use. A pump that is built with a view of withstanding very hard usage. Has large air chamber on spout, with top outlet tapped for 1 1/4 in. pipe, to which pipe can be connected when it is desired to pump water to a tank or distant point. Used in this way it will be necessary to plug a piece of stiff leather over spout and tightening hose clevis over it to hold it in place. Pump is regularly furnished with plain spout, fitted with one inch detachable hose coupling.

Prices quoted are for pump standard only, as illustrated. For complete outfit add proper size pipe, cylinder and pump rod, so that cylinder may be immersed in water of well. Standard is tapped for 1 1/4, 1 1/2 or 2 in. suction pipe. Size suction pipe will depend upon size of cylinder. In ordering, be sure to state what size pipe standard is desired to be tapped for. Shipping weight, 85 lbs.

3CP55865—Six inch stroke. Each \$7.25

3CP55866—Ten inch stroke. Each \$7.75

NOTE—For price of the above standard, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

EVERY
PUMP
GUARANTEED

WINDMILL FORCE PUMPS

OUR
PRICES
ARE LOWEST

Double Acting Force Pump

Pumps Water on Both Up
and Down Stroke.

Giving Steady \$8.55
Stream

3CP55870—Double Acting Hand Force Pump, with 6 in. stroke. Anti-freezing. Suitable for wells not exceeding 30 ft. in depth. Pumps on both the upward and downward stroke, and throws a steady stream of water. It is a very easy working pump, of strong, substantial construction. Can be furnished with three-way cock, for conducting water through underground pipe, if desired. Three-way cock can be operated from pump platform. Pipe can be carried underground to convey water to pneumatic storage tank, or elevated storage tank, located at any distant point.

The advantage of this pump is that a pipe connection may be taken off down below frost line, and when three-way cock is opened the water goes through the underground pipe, and no water whatever comes up to the spout of the pump. It is absolutely frost proof.

Prices are for pumps complete with cylinder, and galvanized 7 ft. set length, as shown. Spout of pump is fitted with three-quarter inch hose coupling. This pump, as shown, cannot be used in wells where the distance to the surface of the water is over 30 ft. But by adding another cylinder, can be used in any depth well. Width of set length, about 8 in. Shipping weight, 105 lbs.

No.	Size of cylinder in.	For pipe size in.	Price with iron cylinder	Price with brass lined cylinder
1	3	1 1/4	\$8.55	\$9.75
2	3 1/2	1 1/2	9.35	10.55

If wanted with three-way cock, add \$1.50 to above prices.

NOTE—For price of the above pump, fitted complete for any depth of well with different size cylinders, iron or brass lined, see table on Page 56 of this book.

Double Acting Force Pump

with Windmill top. Gives steady stream of water \$9.30

3CP55872—Double Acting, Anti-freezing Force Pump, with windmill top, like illustration. This is a set length pump, and can only be used in wells where the water comes within 30 ft. of the ground level. Excepting by adding another cylinder, when it can be used in any depth well. Pumps water on both upward and downward stroke, throwing a steady stream. Pump can be fitted with three-way cock, for directing water through underground pipe to pneumatic supply system, or elevated water storage tank, distant stock watering trough, etc.

Pump is anti-freezing. Furnished complete with cylinder already read and fitted, assembled with pump standard, as shown in illustration. Cylinder is set at a point 7 ft. below base of pump standard.

Prices quoted below are for pump standard, with set length and cylinder, as illustrated and described. For complete outfit it will be necessary to add pipe of proper size to extend down to lowest water level in well, with foot valve and strainer. No extra pump rod necessary. Water will be drawn up by suction to cylinder.

Pump is similar in all respects to our pump No. 3CP55870, except that it has windmill top for connecting to windmill or pump jack. Set length is 7 1/4 inches, heavily galvanized. Pump is fitted with three-quarter inch hose coupling. Width of set length, about 8 in. Shipping weight, 115 lbs.

No.	Size of cylinder in.	For pipe size in.	Price with iron cylinder	Price with brass lined cylinder
1	3	1 1/4	\$9.30	\$10.40
2	3 1/2	1 1/2	10.10	11.20

If wanted with lower three-way cock, add \$1.50 to above prices.

NOTE—For price of the above pump, fitted complete for any depth of well with different size cylinders, iron or brass lined, see table on Page 56 of this book.

Three-way Windmill Force Pump with Improved Dis- tributing Valve

\$8.40

Three-way, Anti-freezing, Windmill Deep Well Force Pump, with improved vertical distributing valve. This pump can be used in open wells, or in the narrowest tubular wells of any depth. The great feature of this pump is the lower distributing valve, operated by the small wheel handle shown at top of pump spout in illustration. This valve is operated the same as an ordinary globe valve, and by turning this wheel handle, the water may be directed through the underground or water supply system, or elevated storage tank, distant stock watering trough, etc.

Pump is absolutely frost-proof, as all this piping may be carried entirely underground well below frost line. If it is desired to draw water at spout, simply open three-way valve and water will be shut off from tank and will be directed through upright pipe to spout, as shown in illustration.

Price includes pump standard only, with extension below pump base with three-way valve, as shown. Spout of pump is fitted with three-quarter inch hose coupling. Three-way valve head, into which suction pipe is screwed, is tapped for one inch discharge pipe, and 1 1/2, or 2 inch suction pipe. Size of suction pipe will be determined by size of cylinder. For complete outfit, add pump cylinder, pump rod and suction pipe to extend cylinder down below water line of well. Length, from platform to lower elbow, 4 ft. 10 in. Shipping weight, 110 lbs.

3CP55875—Six inch stroke. \$8.40

Each 3CP55876—Ten inch stroke. \$8.95

NOTE—For price of the above pump, fitted complete for any depth of well with different size cylinders, iron or brass lined, see table on Page 56 of this book.

Double Acting Three- way Force Pump For Deep Wells \$8.05

A Three-way, Double Acting Force Pump, with windmill head, furnished complete with upper and lower cylinders. This pump has a quick-acting, cam lever shifting device, and a lower three-way valve. The upper cylinder is of heavy drawn brass tubing. It has a large water way and spacious air chamber, so it will work easily against heavy pressure. This pump throws a steady stream of water, as it pumps on both the upward and downward stroke. Suitable for wells of any depth.

This is one of the most practical double-acting pumps for pumping water from deep tubular wells, and is absolutely guaranteed to give satisfaction, operating under the most severe conditions. The double-acting feature produces a steady stream of water at the discharge end. Water may be conducted underground to elevated water storage tank, pneumatic water supply system, or stock watering trough, etc.

Price quoted is for pump with set length and upper cylinder attached, as shown in illustration. Spout is fitted with three-quarter inch hose coupling. Lower cylinder is also included, but connecting pipe or pump rod required to extend lower cylinder down below water level of well are not included. In ordering complete outfit, be sure to include pump rod and suction pipe to reach below water level of your well. Pump works easily against heavy pressures, and is made with 6-inch stroke. Weight, 86 lbs.

3CP55880—With 3-inch iron cylinder, for 1 1/4-inch pipe. \$8.05

Each 3CP55881—With 3 1/2-inch iron cylinder, for 1 1/2-inch pipe. \$8.60

Each 3CP55882—With 3-inch brass lined cylinder, for 1 1/4-inch pipe. \$8.55

Each 3CP55883—With 3 1/2-inch brass lined cylinder, for 1 1/2-inch pipe. \$8.98

NOTE—For price of the above pump, fitted complete for any depth of well with different size cylinders, iron or brass lined, see table on Page 56 of this book.

Windmill Force Pump with 4 Feet Set Length for Wells up to 30 Feet Deep \$6.70

Anti-freezing, with four foot set length, like illustration. A substantially built set length pump, suitable for wells up to 30 ft. deep (for deeper wells see table on Page 55 of this book). Pump is all made up at factory, with cylinder connected to standard, and pump rod all fitted, and it is ready for immediate service when it reaches you. All that is necessary for you to do is to extend pipe from bottom of cylinder down to water in the well.

Prices below are for pump standard with set length cylinder, as described and do not include any piping for extension down into well. This is a force pump, and is tapped back of spout for 1 1/4 inch pipe. By closing spout cock, water may be pumped to elevated tank, pneumatic water supply system, or stock watering trough, any distance away. Spout is also fitted with three-quarter inch hose coupling. Stroke of pump, 6 in. Shipping weight, 90 lbs.

3CP55828—With 2 1/2-inch cylinder, for 1 1/4-inch pipe. \$6.70

Each 3CP55829—With 3-inch cylinder, for 1 1/2-inch pipe. \$6.95

Each 3CP55830—With 3 1/2-inch cylinder, for 1 1/2-inch pipe. \$7.00

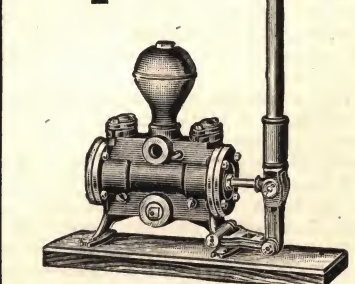
Each 3CP55831—With 4-inch cylinder, for 2-inch pipe. \$7.70

NOTE—For price of the above pump, fitted complete for any depth of well with different size cylinders, iron or brass lined, see table on Page 55 of this book.

DOUBLE ACTING HAND FORCE PUMPS

Our Horizontal Double-acting Hand Force Pumps, listed below, are mechanically perfect. The most easy working and efficient hand force pumps ever placed on the market. Furnished with or without combination air cylinder, for pumping air with water. Illustration at right shows pump with air cylinder attachment. Illustration at left shows pump without air cylinder attachment. Vertical distance from pump to water should not exceed 25 feet.

Double Act- ing Hand Force Pump \$7.65



An easy-working, compact and substantially designed pump, for pumping water from cisterns, shallow wells, etc., to elevated tanks, pneumatic water supply systems, etc. Also adapted for fire protection, filling boilers, as a deck pump, and for many other purposes. Has a cushion air chamber and brass piston rod, and valve seats. Tapped for 1 1/4-inch suction pipe, and 1-inch discharge. Pump is mounted on board base, 8x24 in. Weight, 65 lbs.

WITH IRON CYLINDER 3CP55931—With 3-inch cylinder. \$7.65

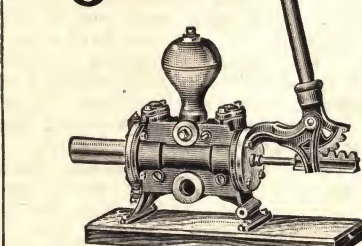
Each WITH BRASS LINED CYLINDER 3CP55932—With 2 1/2-inch cylinder. \$7.98

Each 3CP55933—With 3-inch cylinder. \$8.80

Each 3CP55934—With 2 1/2-inch cylinder with air attachment. \$9.80

NOTE—For pumping against high pressures into pneumatic tanks, etc., we recommend pump with 2 1/2-inch cylinder. For pumping into elevated tanks, etc., the 3-inch cylinder pump may be used.

Double Acting Geared Head Pump \$8.30



This pump is the same as our No. 3CP55930, except that it has a geared drive as shown in illustration, with roller bearing under sliding rack. It is smoother operating and easier working. One of the most perfectly designed pumps ever placed on the market. Tapped for 1 1/4-inch suction pipe, and 1-inch discharge. Shipping weight, 65 lbs.

WITH IRON CYLINDER 3CP55936—With 3-inch cylinder. \$8.30

Each WITH BRASS LINED CYLINDER 3CP55937—With 3-inch cylinder. \$9.45

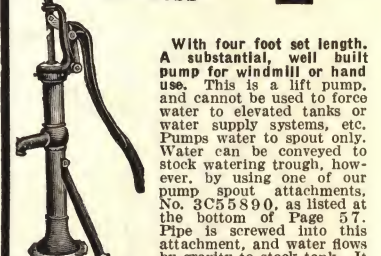
Each WITH BRASS LINED CYLINDER AND AIR ATTACHMENT 3CP55938—With 3-inch cylinder, with air attachment. \$11.15

Each

NOTE—For pumping against high pressures into pneumatic tanks, etc., we recommend pump with 2 1/2-inch cylinder. For pumping into elevated tanks, etc., the 3-inch cylinder pump may be used.

Set Length Well Pump with Windmill Head, Closed Top

For 30-
Ft. Wells \$4.20
or Less



With four foot set length. A substantial, well built pump for windmill or hand use. This is a lift pump, and cannot be used to force water to elevated tanks or water supply systems, etc. Pumps water to spout only. Water can be conveyed to stock watering trough, however, by using one of our pump spout attachments. No. 3CP55890, as listed at the bottom of Page 57.

Pipe is screwed into this attachment, and water flows by gravity to stock tank. It will be necessary, of course, to have stock tank set lower than pump spout. This is a set length pump, and can be used only in wells not over 30 ft. deep. Prices quoted are for pump standard, with set length and cylinder all fitted and connected ready for service. When you receive the pump, all that is necessary to do is to screw pipe into bottom of cylinder, and make extension down into well. Water will be drawn up by suction to cylinder.

A foot valve and strainer should be placed at bottom of suction pipe below water line. Prices quoted are for pump with iron cylinder. Shipping weight, 75 lbs.

3CP55820—With 2 1/2-inch cylinder, for 1 1/4-inch pipe. \$4.20

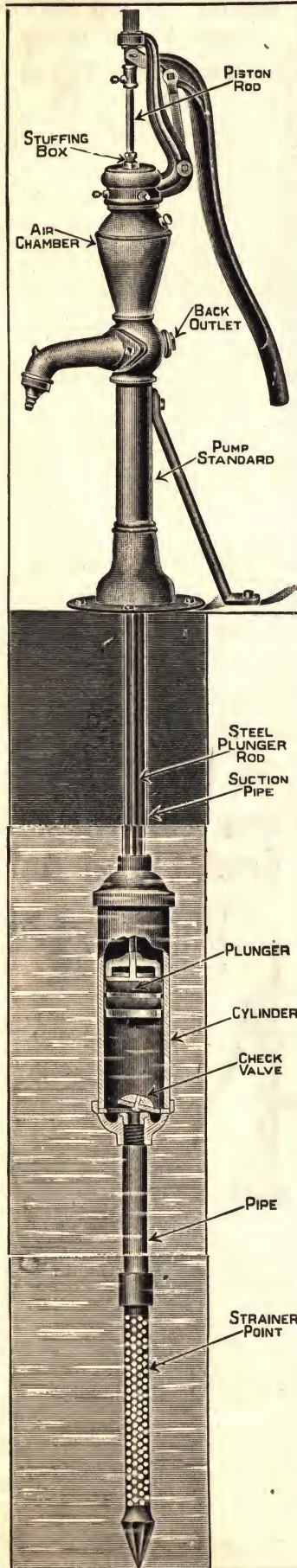
Each 3CP55821—With 3-inch cylinder, for 1 1/2-inch pipe. \$4.25

Each 3CP55822—With 3 1/2-inch cylinder, for 2-inch pipe. \$4.50

Each 3CP55823—With 4-inch cylinder, for 2 1/2-inch pipe. \$5.10

NOTE—For price of the above pump, fitted complete for any depth of well with different size cylinders, iron or brass lined, see table on Page 55 of this book.

SET LENGTH WELL PUMPS



Light, Easy Working Pump with Adjustable Handle

\$280

3CP55800—Medium weight, anti-freezing, shallow well, set length Lift Pump. Pump is made up complete with 4 feet set length, as shown in illustration. It is a medium weight pump, well built and suitable for wells in which water does not come over 30 ft. below surface of ground. For deeper wells we suggest the use of one of our heavier style pumps, listed in these pages.

Pump has a 3x10 in. iron cylinder, with wrought iron set length and steel pump rod. It is fitted for 1 1/4 in. suction pipe, and is made in one size only, for hand pump. Has no extension for connection to windmill or pump jack.

This is a lift pump, and cannot be used for forcing water to elevated tanks or water supply system. Is intended only for supplying water at spout. Water can be conveyed to stock watering tank by using one of our pump spout attachments, listed at the bottom of Page 57. An iron pipe is screwed into this attachment, and water flows by gravity from spout of pump to stock tank. It is necessary, of course, that tank be located near pump, and also at a point lower than pump spout. This is a very popular pump, and in many cases it answers the purpose just as well as any of the much higher priced pumps on the market. Weight, 52 lbs. Regular \$4.00 value.

Each **\$2.80**

NOTE—For price of the above pump, fitted complete for any depth of well with different size of cylinders iron or brass lined, see table on Page 55 of this book.

Standard Well Pump Strong and Durable Adjustable Handle

\$315



Heavy pattern, anti-freezing, set length well Lift Pump. Pump has a 4 ft. set length, is a strong, durable pump, well made in every way. Can be used in wells where the water does not come more than 30 ft. below level of ground. For deeper wells order a pump standard and cylinder separately, with sufficient pipe and pump rod so that cylinder may be placed in water of well.

This is a lift pump and cannot be used for forcing water to elevated tanks, water supply systems, etc. By using one of our pump spout attachments, however, water may be conveyed by gravity any reasonable distance, to a point lower than the pump spout.

Prices quoted below are for pump complete with cylinders and set length, as described and shown in illustration. For complete outfit, add sufficient 1 1/4 in. galvanized pipe to extend down to water in well. Pump is intended for use as a hand pump only. Has no extension for connection to windmill or pump jack. It is a highly efficient, easy working pump, and is guaranteed to give absolute satisfaction. Average weight, 60 lbs.

3CP55804 — With 2 1/2-inch cylinder, for 1 1/4-inch suction pipe. **\$3.15**

3CP55805 — With 3-inch cylinder, for 1 1/4-inch suction pipe. **\$3.20**

3CP55806 — With 3 1/2-inch cylinder, for 1 1/4-inch suction pipe. **\$3.40**

3CP55807 — With 4-inch cylinder, for 1 1/4-inch suction pipe. **\$4.20**

NOTE—For price of the above pump, fitted complete for any depth of well, with different size cylinders, iron or brass lined, see table on Page 55 of this book.

Heavy Hand Force Pump with Air Chamber in Top of Standard

\$505



A set length Hand Force Pump of heavy design. Air chamber cast in top of standard, as shown in illustration. Anti-freezing.

This pump has a 4 ft. set length, and is built to withstand very hard usage. Pump rod works through a water and air tight brass stuffing box. Spout is fitted with three-quarter inch hose coupling.

This is a force pump. It is tapped in back of spout for 1 1/4-inch iron pipe. A pipe may be connected to this outlet; and by inserting a leather disc washer in hose coupling, water may be directed through this pipe to elevated tank, distant stock watering tank, water supply system, etc., as may be desired.

Pump may also be fitted with cock spout, which can be opened or closed at will, and water either directed through discharge pipe, as above explained, or drawn off at spout, as desired. Pump is regularly furnished with open spout. If cock spout is wanted, add \$8.00 to prices quoted below. This is a set length pump; cylinder is already made up and attached to pump, as shown in illustration, when it reaches you. All you have to do is extend pipe down into well. When pump is operated water will be drawn up to cylinder by suction. Cannot be used in wells where water is more than 30 ft. below surface. Furnished with iron cylinder only. Shipping weight, 80 lbs.

3CP55810 — With 2 3/4-inch cylinder, for 1 1/4-inch suction pipe. **\$5.05**

3CP55811 — With 3-inch cylinder, for 1 1/4-inch suction pipe. **\$5.10**

3CP55812 — With 3 1/2-inch cylinder, for 1 1/4-inch suction pipe. **\$5.25**

3CP55813 — With 4-inch cylinder, for 1 1/4-inch suction pipe. **\$6.10**

NOTE—For price of the above pump, fitted complete for any depth of well, with different size cylinders iron or brass lined, see table on Page 55 of this book.

PUMP POINTERS

When ordering a cylinder for your pump, remember that the larger the diameter of the cylinder the greater will be the amount of water that will be discharged by the pump at each stroke; also, the greater will be the power required to operate the pump. A pump with a 4-in. cylinder requires just four times the power to operate it that a 2-in. cylinder does, for the reason that the plunger has just four times the area, but it will, of course, throw four times as much water.

Never order a large diameter cylinder for pumping water from real deep wells, or for pumping water into pneumatic storage tanks against high pressure, or to highly elevated tanks, etc., unless you have good strong driving power, a 2 H. P. gasoline engine or larger, with pump jack, or a real large powerful windmill. The pull or resistance to be overcome in operating the pump with these large size cylinders pumping against high elevations or high pressures from deep wells, is so great that it is almost impossible to operate the pump by hand or small power.

In selecting a cylinder it is entirely a matter of using judgment, taking into consideration the depth of the water in the well, whether the pump is a force pump or a lift pump, and if a force pump, what pressure the pump will have to operate against, etc.

For pumping water into a pneumatic water supply system, we do not recommend a cylinder of any larger size than 2 1/2 in. diameter. If the well is a deep one, we advise a 2-in. cylinder. If the pump is operated to any considerable extent by hand, it is better to order a 2-in. or 2 1/2-in. cylinder, as it will then work much easier than it would if a larger cylinder were used.

If in doubt as to what size cylinder you ought to have, write us, explaining the conditions carefully under which your pump will have to operate, and we will be pleased to select an outfit for you that we will guarantee to fulfill the requirements to the best advantage.

A set length pump should never be used where distance from pump platform to level of water in well is over 30 feet.

When fitting up a set length pump in your well, always place a foot valve and strainer at bottom of suction pipe.

Where well is too deep to use a set length pump, when ordering your outfit be sure to order sufficient pipe and pump rod so that cylinder may be placed below level of water in well. This will keep cylinder always full of water; pump will never have to be primed, and it will give much better satisfaction.

Where water is of a gritty or sandy nature, it is well to place a sand point strainer on suction pipe, to keep sand and grit out of the pump cylinder. This will prolong the life of the pump, and will make it work much better.

PRICE TABLE—COMPLETE PUMP OUTFITS

NOTE—Prices quoted are for pump standard, complete with rod, galvanized pipe and cylinder, all cut and fitted ready for assembling when it reaches you.

SET LENGTH LIFT AND FORCE PUMPS

FOR USE ONLY IN WELLS UP TO 30 FEET DEEP

Prices Quoted on Set Length Pumps Include Galvanized Suction Pipe with Foot Valve and Strainer

Pump Catalogue Number	Price Complete For Wells					Pump Catalogue Number	Price Complete For Wells				
	10 ft. Deep	15 ft. Deep	20 ft. Deep	25 ft. Deep	30 ft. Deep		10 ft. Deep	15 ft. Deep	20 ft. Deep	25 ft. Deep	30 ft. Deep
3CP55800	\$4.00	\$4.40	\$4.85	\$5.25	\$5.65	3CP55820	\$5.45	\$5.90	\$6.30	\$6.70	\$7.15
3CP55804	4.35	4.75	5.20	5.60	6.05	3CP55821	5.50	5.95	6.35	6.75	7.20
3CP55805	4.40	4.80	5.25	5.65	6.10	3CP55822	6.05	6.45	6.85	7.25	7.65
3CP55806	4.90	5.40	5.95	6.45	6.90	3CP55823	7.00	7.70	8.40	9.10	9.75
3CP55807	6.15	6.85	7.50	8.20	8.85	3CP55828	7.95	8.35	8.90	9.35	9.60
3CP55810	6.35	6.80	7.20	7.60	8.05	3CP55829	8.00	8.40	8.95	9.25	9.65
3CP55811	6.40	6.85	7.35	7.65	8.10	3CP55830	8.50	9.05	9.55	10.10	10.60
3CP55812	7.05	7.55	8.00	8.50	9.05	3CP55831	9.60	10.20	10.95	11.60	12.25
3CP55813	8.15	8.80	9.50	10.20	10.85						

MEDIUM DEPTH HAND WELL PUMP

NOTE—Prices quoted are for pump standard complete with rod, galvanized pipe and cylinder, all cut and fitted ready for assembling when it reaches you.

Pump Catalogue Number	Size Cylinder, Inches	Price Complete For Wells							Pump Catalogue Number	Size Cylinder, Inches	Price Complete For Wells						
		20 ft. Deep	25 ft. Deep	30 ft. Deep	35 ft. Deep	40 ft. Deep	45 ft. Deep	50 ft. Deep			20 ft. Deep	25 ft. Deep	30 ft. Deep	35 ft. Deep	40 ft. Deep	45 ft. Deep	50 ft. Deep
3CP55840	2 in.	\$5.50	\$6.05	\$6.55	\$7.10	\$7.60	\$8.15	\$8.65	3CP55840	2 in.	\$6.75	\$7.40	\$7.80	\$8.35	\$8.85	\$9.40	\$9.90
	2 1/2 in.	5.50	6.15	6.70	7.20	7.70	8.25	8.75		2 1/2 in.	6.90	7.50	7.95	8.45	9.00	9.50	10.05
	3 in.	5.75	6.25	6.75	7.30	7.80	8.35	8.85		3 in.	7.15	7.65	8.20	8.70	9.25	10.80	10.30

DEEP WELL PUMPS

NOTE—Prices quoted are for pump standard, complete with rod, galvanized pipe and cylinder, all cut and fitted ready for assembling when it reaches you.

Pump Catalogue Number	Size Cylinder, Ins.	20 ft. Deep	25 ft. Deep	30 ft. Deep	35 ft. Deep	40 ft. Deep	45 ft. Deep	50 ft. Deep	55 ft. Deep	60 ft. Deep	65 ft. Deep	70 ft. Deep	75 ft. Deep	80 ft. Deep	85 ft. Deep	90 ft. Deep	95 ft. Deep	100 ft. Deep
3CP55842	2 in.	\$6.80	\$7.30	\$7.85	\$8.35	\$8.85	\$9.40	\$9.95	\$10.45	\$10.95	\$11.50	\$12.05	\$12.55	\$13.05	\$13.60	\$14.10	\$14.65	\$15.20
	2½ in.	6.90	7.40	7.95	8.45	8.95	9.50	10.05	10.55	11.05	11.60	12.15	12.65	13.20	13.70	14.25	14.75	15.30
	3 in.	7.00	7.50	8.05	8.55	9.10	9.60	10.15	10.65	11.20	11.75	12.25	12.75	13.30	13.80	14.35	14.85	15.40
	3½ in.	7.70	8.35	9.00	9.60	10.25	10.85	11.50	12.10	12.75	13.40	14.00	14.65	15.30	15.90	16.55	17.15	17.80
	4 in.	8.75	9.60	9.35	11.15	11.90	12.70	13.50	14.30	15.05	15.85	16.65	17.45	18.25	19.00	19.80	20.60	21.35
With Brass Lined Cylinder	2 in.	8.00	8.55	9.10	9.60	10.35	10.65	11.20	11.70	12.25	12.75	13.30	13.85	14.35	14.85	15.40	15.90	16.45
	2½ in.	8.15	8.65	9.20	9.70	10.45	10.75	11.30	11.80	12.35	12.85	13.45	13.95	14.45	15.00	15.50	16.00	16.55
	3 in.	8.40	8.90	9.45	10.00	10.50	11.00	11.55	12.10	12.60	13.15	13.65	14.20	14.70	15.20	15.75	16.25	16.80
	3½ in.	9.15	9.80	10.45	11.05	11.70	12.40	12.95	13.60	14.25	14.85	15.50	16.10	16.75	17.40	18.00	18.65	19.25
	4 in.	10.55	11.35	12.10	12.90	13.70	14.50	15.35	16.10	16.85	17.65	18.45	19.20	20.05	20.80	21.55	22.35	23.15
3CP55843	2 in.	\$7.65	\$8.20	\$8.70	\$9.25	\$9.75	\$10.30	\$10.80	\$11.35	\$11.85	\$12.40	\$12.90	\$13.45	\$13.95	\$14.50	\$15.00	\$15.55	\$16.05
	2½ in.	7.90	8.40	8.90	9.45	9.95	10.50	11.00	11.55	12.05	12.60	13.15	13.65	14.15	14.70	15.25	15.75	16.25
	3 in.	8.10	8.60	9.15	9.65	10.20	10.70	11.20	11.75	12.30	12.80	13.35	13.85	14.40	14.90	15.45	15.95	16.45
	3½ in.	9.00	9.60	10.25	10.85	11.45	12.15	12.75	13.40	14.00	14.65	15.30	15.90	16.55	17.15	17.80	18.40	19.05
	4 in.	10.20	10.95	11.75	12.50	13.30	14.10	14.90	15.70	16.50	17.30	18.05	18.85	19.60	20.45	21.20	22.05	22.80
With Brass Lined Cylinder	2 in.	8.95	9.45	10.00	10.50	11.05	11.55	12.05	12.60	13.10	13.65	14.20	14.70	15.20	15.75	16.25	16.80	17.30
	2½ in.	9.25	9.75	10.30	10.80	11.35	11.85	12.35	12.90	13.45	13.95	14.50	15.00	15.50	16.05	16.60	17.10	17.65
	3 in.	9.50	10.05	10.60	11.10	11.60	12.15	12.65	13.20	13.70	14.25	14.75	15.25	15.80	16.35	16.85	17.40	17.90
	3½ in.	10.45	11.10	11.70	12.35	12.95	13.60	14.20	14.85	15.50	16.10	16.75	17.40	18.00	18.65	19.25	19.90	20.55
	4 in.	12.20	12.95	13.75	14.55	15.35	16.10	16.90	17.70	18.50	19.30	20.10	20.85	21.60	22.35	23.20	24.00	24.75
3CP55846- With Iron Cylinder	3½ in.	\$9.45	\$10.10	\$10.70	\$11.35	\$11.95	\$12.60	\$13.20	\$13.85	\$14.50	\$15.10	\$15.75	\$16.35	\$17.00	\$17.60	\$18.25	\$18.90	\$19.55
	4 in.	10.45	11.25	12.00	12.80	13.60	14.40	15.20	16.00	16.75	17.55	18.35	19.10	19.90	20.70	21.45	22.20	23.05
With Brass Lined Cylinder	3½ in.	10.90	11.55	12.15	12.80	13.45	14.10	14.70	15.35	15.95	16.65	17.20	17.85	18.50	19.10	19.70	20.40	21.00
	4 in.	12.20	12.95	13.75	14.55	15.35	16.10	16.90	17.70	18.50	19.30	20.10	20.85	21.60	22.40	23.20	24.00	24.75
3CP55847- With Iron Cylinder	3½ in.	\$10.75	\$11.30	\$12.00	\$12.65	\$13.30	\$13.90	\$14.55	\$15.20	\$15.80	\$16.55	\$17.05	\$17.65	\$18.35	\$18.95	\$19.55	\$20.25	\$20.85
	4 in.	11.95	12.75	13.55	14.30	15.10	15.90	16.70	17.50	18.30	19.05	19.85	20.65	21.40	22.20	22.95	23.75	24.55
With Brass Lined Cylinder	3½ in.	12.30	12.90	13.55	14.15	14.80	15.45	16.10	16.70	17.30	17.95	18.60	19.20	19.95	20.60	21.10	21.70	22.35
	4 in.	14.00	14.80	15.60	16.40	17.20	17.95	18.75	19.55	20.35	21.10	21.85	22.70	23.45	24.25	25.00	25.85	26.60
3CP55850	2 in.	\$7.85	\$8.35	\$8.95	\$9.40	\$9.90	\$10.45	\$10.95	\$11.50	\$12.05	\$12.55	\$13.05	\$13.55	\$14.15	\$14.65	\$15.15	\$15.70	\$16.20
	2½ in.	7.95	8.45	9.05	9.45	10.05	10.50	11.05	11.60	12.15	12.65	13.15	13.70	14.20	14.75	15.25	15.80	16.30
	3 in.	8.05	8.55	9.10	9.60	10.15	10.65	11.20	11.70	12.25	12.75	13.30	13.85	14.35	14.85	15.35	15.90	16.55
	3½ in.	8.85	9.45	10.10	10.70	11.30	11.95	12.60	13.20	13.85	14.45	15.10	15.75	16.40	17.00	17.70	18.25	18.90
	4 in.	9.90	10.65	11.45	12.25	13.00	13.80	14.60	15.40	16.15	16.95	17.75	18.50	19.30	20.10	20.90	21.65	22.45
With Brass Lined Cylinder	2 in.	9.10	9.60	10.15	10.65	11.15	11.70	12.25	12.75	13.30	13.80	14.35	14.85	15.40	15.90	16.45	16.95	17.50
	2½ in.	9.20	9.70	10.25	10.75	11.25	11.80	12.35	12.85	13.35	13.90	14.45	14.95	15.45	16.00	16.50	17.05	17.60
	3 in.	9.50	10.05	10.65	11.15	11.65	12.15	12.65	13.15	13.70	14.20	14.75	15.30	15.80	16.35	16.85	17.40	17.90
	3½ in.	10.20	10.90	11.55	12.15	12.80	13.45	14.05	14.70	15.30	15.95	16.60	17.20	17.85	18.50	19.10	19.75	20.35
	4 in.	11.60	12.35	13.20	13.95	14.75	15.50	16.30	17.10	17.90	18.70	19.45	20.30	21.05	21.80	22.60	23.40	24.20
3CP55851	2 in.	\$8.75	\$9.25	\$9.75	\$10.30	\$10.80	\$11.30	\$11.85	\$12.40	\$12.90	\$13.45	\$13.95	\$14.50	\$15.00	\$15.20	\$16.05	\$16.55	\$17.20
	2½ in.	8.90	9.40	9.90	10.40	10.90	11.40	11.95	12.45	13.00	13.55	14.05	14.55	15.05	15.25	16.20	16.70	17.40
	3 in.	9.15	9.65	10.20	10.70	11.20	11.70	12.30	12.80	13.35	13.85	14.40	14.90	15.45	15.95	16.50	17.00	17.55
	3½ in.	10.05	10.65	11.30	11.90	12.55	13.20	13.80	14.45	15.05	15.70	16.35	16.95	17.60	18.20	18.85	19.45	20.10
	4 in.	11.25	12.00	12.80	13.60	14.40	15.15	15.95	16.75	17.55	18.35	19.10	20.30	20.70	21.45	22.25	22.95	23.80
With Brass Lined Cylinder	2 in.	10.00	10.50	11.00	11.55	12.05	12.60	13.10	13.65	14.20	14.70	15.20	15.75	16.25	16.80	17.30	17.85	18.35
	2½ in.	10.30	10.80	11.35	11.85	12.40	12.90	13.45	13.95	14.50	15.00	15.50	16.05	16.55	17.10	17.65	18.15	18.70
	3 in.	10.55	11.05	11.60	12.15	12.65	13.20	13.70	14.20	14.75	15.25	15.80	16.35	16.85	17.35	17.90	18.40	18.95
	3½ in.	12.55	12.15	12.80	13.45	14.05	14.70	15.30	15.95	16.60	17.30	17.85	18.50	19.10	19.85	20.40	21.00	21.60
	4 in.	13.30	14.05	14.85	15.65	16.45	17.30	18.00	18.80	19.60	20.40	21.15	21.80	22.65	23.50	24.30	25.05	25.90
3CP55854	2 in.	\$8.45	\$8.95	\$9.50	\$10.05	\$10.50	\$11.05	\$11.60	\$12.10	\$12.65	\$13.15	\$13.70	\$14.20	\$14.75	\$15.25	\$15.80	\$16.35	\$16.85
	2½ in.	8.55	9.10	9.60	10.10	10.65	11.15	11.70	12.20	12.75	13.25	13.80	14.35	14.85	15.45	15.90	16.40	16.95
	3 in.	8.65	9.20	9.70	10.25	10.75	11.25	11.80	12.35	12.85	13.40	13.90	14.45	14.95	15.50	16.00	16.50	17.05
	3½ in.	9.45	10.10	10.70	11.35	11.95	12.60	13.25	13.85	14.50	15.15	15.75	16.40	17.00	17.65	18.25	18.90	19.55
	4 in.	10.50	11.30	12.05	12.85	13.65	14.40	15.25	16.00	16.80	17.60	18.35	19.15	19.95	20.75	21.50	22.30	23.10
With Brass Lined Cylinder	2 in.	9.75	10.30	10.80	11.30	11.85	12.35	12.90	13.45	13.95	14.50	15.00	15.50	16.05	16.55	17.10	17.60	18.15
	2½ in.	9.85	10.40	10.90	11.45	11.95	12.45	13.00	13.55	14.05	14.60	15.10	15.65	16.15	16.70	17.20	17.70	18.20
	3 in.	10.10	10.65	11.20	11.70	12.20	12.75	13.30	13.80	14.30	14.85	15.40	15.90	16.45	16.95	17.45	18.00	18.45
	3½ in.	10.90	11.55	12.20	12.80	13.45	14.05	14.70	15.35	15.95	16.55	17.15	17.80	18.40	19.00	19.60	20.25	21.00
	4 in.	12.20	13.00	13.80	14.60	15.40	16.15	16.95	17.75	18.50	19.30	20.10	20.90	21.65	22.45	23.25	24.00	24.80

PRICE TABLE—COMPLETE PUMP OUTFITS

Prices quoted include pump standard, galvanized iron pipe, pump rod and cylinder all complete and ready fitted for depth of well specified

Pump Catalogue Number	Size Cylind-der, Ins.	20 ft. Deep	25 ft. Deep	30 ft. Deep	35 ft. Deep	40 ft. Deep	45 ft. Deep	50 ft. Deep	55 ft. Deep	60 ft. Deep	65 ft. Deep.	70 ft. Deep	75 ft. Deep	80 ft. Deep	85 ft. Deep	90 ft. Deep	95 ft. Deep	100 ft. Deep
3CP555856 With Iron Cylinder	2 in.	\$ 9.35	\$ 9.90	\$10.40	\$10.90	\$11.45	\$11.95	\$12.50	\$13.00	\$13.55	\$14.10	\$14.60	\$15.15	\$15.65	\$16.15	\$16.75	\$17.20	\$17.75
	2½ in.	9.60	10.10	10.60	10.15	11.65	12.20	12.70	13.25	13.75	14.30	14.80	15.35	15.85	16.40	16.90	17.45	17.95
	3 in.	9.80	10.30	10.85	10.35	11.90	12.40	12.95	13.45	13.95	14.50	15.00	15.55	16.05	16.60	17.10	17.65	18.15
	3½ in.	10.65	11.30	11.90	12.55	13.20	13.80	14.35	15.10	15.70	16.30	16.95	17.60	18.20	18.80	19.50	20.10	20.75
With Brass Lined Cylinder	2 in.	11.90	12.65	13.45	13.25	15.05	15.80	16.60	17.40	18.20	18.95	19.85	20.55	21.30	22.10	22.90	23.70	24.45
	2½ in.	10.60	11.15	11.65	12.15	12.70	13.25	13.75	14.30	14.80	15.35	15.85	16.40	16.90	17.45	17.95	18.50	19.00
	3 in.	11.10	11.45	12.00	12.50	13.00	13.55	14.10	14.60	15.15	15.65	16.05	16.70	17.10	17.75	18.15	18.80	19.10
	3½ in.	11.20	11.70	12.25	12.75	13.30	13.80	14.35	14.85	15.40	15.90	16.40	16.95	17.45	18.00	18.55	19.05	19.60
	2 in.	12.15	12.80	13.45	14.10	14.70	15.35	15.95	16.60	17.25	17.85	18.50	19.10	19.75	20.40	21.00	21.65	22.25
	2½ in.	13.90	14.70	15.50	16.25	17.05	17.85	18.65	19.45	20.25	21.00	21.80	22.55	23.35	24.15	24.95	25.75	26.50
	3 in.																	
	3½ in.																	
3CP555858 With Iron Cylinder	2 in.	\$ 7.85	\$ 8.35	\$ 8.90	\$ 9.40	\$ 9.90	\$10.45	\$11.00	\$11.45	\$12.05	\$12.55	\$13.05	\$13.60	\$14.15	\$14.65	\$15.20	\$15.70	\$16.20
	2½ in.	7.95	8.45	9.00	9.50	10.05	10.55	11.10	11.60	12.15	12.65	13.20	13.70	14.25	14.75	15.30	15.80	16.35
	3 in.	8.05	8.55	9.10	9.60	10.15	10.65	11.20	11.70	12.25	12.75	13.30	13.80	14.35	14.85	15.40	15.90	16.45
	3½ in.	8.80	9.45	10.10	10.70	11.35	11.95	12.60	13.25	13.85	14.50	15.15	15.75	16.40	17.00	17.65	18.20	18.90
With Brass Lined Cylinder	2 in.	9.85	10.65	11.45	12.25	13.00	13.80	14.60	15.40	16.15	16.95	17.75	18.55	19.35	20.10	20.90	21.70	22.45
	2½ in.	8.70	9.65	10.20	10.70	11.20	11.75	12.30	12.80	13.35	13.85	14.40	14.90	15.45	15.95	16.50	17.00	17.10
	3 in.	8.95	9.75	10.30	10.80	11.35	11.85	12.40	12.90	13.45	13.95	14.50	15.00	15.55	16.05	16.20	17.10	17.65
	3½ in.	9.50	10.05	10.60	11.10	11.60	12.15	12.65	13.20	13.70	14.20	14.75	15.30	15.80	16.35	16.85	17.40	17.90
	2 in.	10.30	10.90	11.55	12.20	12.80	13.45	14.05	14.70	15.35	15.95	16.60	17.20	17.85	18.50	19.15	19.75	20.40
	2½ in.	11.60	12.40	13.20	13.95	14.75	15.55	16.35	17.10	17.90	18.70	19.50	20.30	21.05	21.85	22.60	23.40	23.85
	3 in.																	
	3½ in.																	
3CP555859 With Iron Cylinder	2 in.	\$ 8.70	\$ 9.25	\$ 9.80	\$10.30	\$10.80	\$11.35	\$11.85	\$12.40	\$12.90	\$13.45	\$14.00	\$14.50	\$15.00	\$15.55	\$16.05	\$16.60	\$17.10
	2½ in.	8.95	9.45	10.00	10.50	11.00	11.55	12.05	12.60	13.15	13.65	14.15	14.70	15.25	15.75	16.25	16.80	17.35
	3 in.	9.15	9.65	10.20	10.70	11.25	11.75	12.30	12.80	13.35	13.85	14.40	14.90	15.45	15.95	16.50	17.00	17.55
	3½ in.	10.10	10.65	11.30	11.90	12.55	13.15	13.85	14.45	15.05	15.70	16.35	16.95	17.60	18.10	18.85	19.50	20.15
With Brass Lined Cylinder	2 in.	10.25	12.05	12.80	13.60	14.40	15.20	15.95	16.75	17.55	18.35	19.10	19.90	20.70	21.45	22.25	23.05	23.85
	2½ in.	10.00	10.50	11.00	11.55	12.10	12.60	13.15	13.65	14.15	14.70	15.20	15.75	16.25	16.80	17.35	17.85	18.40
	3 in.	10.30	10.85	11.35	11.85	12.40	12.90	13.45	13.95	14.50	15.00	15.50	16.05	16.60	17.10	17.65	18.15	18.70
	3½ in.	10.60	11.10	11.60	12.15	12.65	13.20	13.70	14.25	14.75	15.30	15.80	16.35	16.85	17.40	17.90	18.45	18.95
	2 in.	11.55	12.20	12.85	13.45	14.10	14.70	15.30	15.95	16.60	17.20	17.80	18.50	19.10	19.75	20.30	21.00	21.65
	2½ in.	13.30	14.10	14.85	15.65	16.40	17.25	18.00	18.80	19.55	20.40	21.15	21.95	22.75	23.50	24.30	25.10	25.90
	3 in.																	
	3½ in.																	
3CP555862 With Iron Cylinder	2 in.	\$ 8.20	\$ 8.70	\$ 9.25	\$ 9.75	\$10.30	\$10.80	\$11.35	\$11.85	\$12.40	\$12.90	\$13.45	\$13.95	\$14.50	\$15.00	\$15.55	\$16.05	\$16.60
	2½ in.	8.30	8.80	9.35	9.85	10.40	10.90	11.45	11.95	12.50	13.00	13.55	14.05	14.60	15.10	15.65	16.15	16.70
	3 in.	8.40	8.95	9.45	9.95	10.50	11.00	11.55	12.05	12.60	13.10	13.65	14.15	14.70	15.20	15.75	16.30	16.80
	3½ in.	9.20	9.85	10.45	11.05	11.70	12.35	13.00	13.60	14.25	14.85	15.50	16.10	16.75	17.40	18.00	17.65	19.30
With Brass Lined Cylinder	2 in.	10.25	11.00	11.80	12.60	13.40	14.20	14.95	15.75	16.50	17.35	18.15	18.90	19.65	20.50	21.00	22.05	22.85
	2½ in.	9.50	10.05	10.55	11.05	11.60	12.15	12.65	13.20	13.70	14.20	14.75	15.25	15.80	16.25	16.85	17.45	17.90
	3 in.	9.60	10.15	10.65	11.15	11.70	12.25	12.80	13.30	13.80	14.35	14.90	15.40	15.90	16.40	17.00	17.45	18.00
	3½ in.	9.90	10.40	10.90	11.45	12.00	12.50	13.00	13.55	14.05	14.60	15.10	15.65	16.15	16.65	17.25	17.75	18.25
	2 in.	10.65	11.30	11.90	12.55	13.20	13.80	14.45	15.10	15.65	16.35	16.95	17.60	18.20	18.85	19.45	20.10	20.75
	2½ in.	11.95	12.75	13.55	14.35	15.10	15.90	16.70	17.50	18.30	19.05	19.80	20.65	21.45	22.20	22.95	23.75	24.55
	3 in.																	
	3½ in.																	
3CP555865 With Iron Cylinder	2 in.	\$ 10.60	\$ 11.15	\$ 11.65	\$ 12.20	\$ 12.70	\$ 13.25	\$ 13.75	\$ 14.30	\$ 14.80	\$ 15.30	\$ 15.85	\$ 16.40	\$ 16.90	\$ 17.45	\$ 17.95	\$ 18.50	\$ 19.00
	2½ in.	10.70	11.25	11.75	12.30	12.80	13.35	13.85	14.40	14.90	15.40	15.95	16.50	17.00	17.55	18.05	18.60	19.10
	3 in.	10.80	11.35	11.85	12.40	12.90	13.45	13.95	14.50	15.00	15.50	16.05	16.60	17.10	17.65	18.15	18.70	19.20
	3½ in.	11.60	12.25	12.85	13.50	14.10	14.75	15.40	16.00	16.65	17.25	17.90	18.50	19.10	19.75	20.40	21.00	21.70
With Brass Lined Cylinder	2 in.	12.65	13.45	14.25	15.05	15.80	16.60	17.40	18.20	18.95	19.75	20.50	21.30	22.10	22.90	23.70	24.50	25.30
	2½ in.	11.90	12.45	12.95	13.50	14.00	14.55	15.05	15.60	16.10	16.60	17.15	17.70	18.20	18.75	19.25	19.80	20.35
	3 in.	12.05	12.55	13.05	13.60	14.10	14.65	15.20	15.70	16.20	16.70	17.25	17.80	18.30	18.85	19.35	19.90	20.45
	3½ in.	12.30	12.80	13.30	13.85	14.40	14.90	15.45	15.95	16.50	17.00	17.50	18.05	18.60	19.10	19.65	20.15	20.70
	2 in.	13.05	13.70	14.35	14.95	15.60	16.20	16.85	17.50	18.10	17.75	19.35	20.05	20.65	21.30	21.85	22.50	23.15
	2½ in.	14.40	15.15	15.95	16.75	17.55	18.35	19.10	19.90	20.70	21.05	22.25	23.00	23.80	24.60	25.40	26.20	27.00
	3 in.																	

Pitcher Spout Pump, 96c

Heavy and substantially built. Well made in every way. The workmanship on this pump is perfect. The cylinder is very carefully bored out, reamed, and polished smooth on the inside, making an easy-working, highly efficient pump. Throws a very large volume of water with very little exertion. It is fitted with patent closed top.

Pump is usually placed at end of sink in kitchen, for drawing water from cistern. To prevent freezing, simply raise handle to its extreme height. This will trip the valves and the water will drain off.

This is a lift pump. It cannot be used to force water to elevated tank, etc. Throws a much larger volume of water with much less exertion than a force pump, however.

ever, and where it is only desired to draw water at spout of pump, this is the most satisfactory pump you could install.

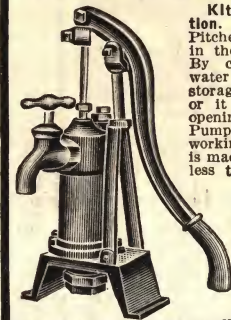
3CP55910—Two and one-half inch bore, for 1 1/4 inch suction pipe. Weight, 22 lbs. **96c**

3CP55911—Three inch bore, for 1 1/4 inch suction pipe. Weight, 24 lbs. **\$1.22**

3CP55912—Three and one-half inch bore, for 1 1/4 inch suction pipe. Weight, 28 lbs. **\$1.38**

3CP55913—Four inch bore, for 1 1/4 inch suction pipe. Weight, 31 lbs. **\$1.55**

NOTE—The vertical distance from pump to water should not exceed 25 ft.

KITCHEN FORCE PUMP \$3.85
With Solid Brass Cylinder

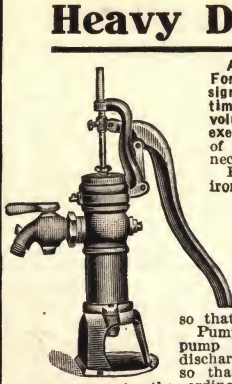
Kitchen Force Pump, like illustration. This pump differs from our Pitcher Spout Pump, shown opposite, in the fact that it is a force pump. By connecting pipe to top outlet, water may be pumped to elevated storage tank in attic or elsewhere; or it may be drawn off at sink by opening faucet on pump, as preferred. Pump is very strongly built, easy working, and well finished. Cylinder is made from heavy, solid brass, seamless tubing, nicely polished.

Pump is equipped with compression brass faucet, as shown, for drawing off water at pump, when desired. It can be operated as a lift pump, when desired, by simply leaving this faucet open and closing the valve on the discharge pipe leading to the elevated tank.

Pump rod works in a solid brass stuffing box, and handle is pivoted on a long oscillating fulcrum, as shown in illustration, making the pump very easy working. This pump can be operated continuously, with very little exertion. Fitted for one and one-quarter inch iron suction pipe. Top of pump is tapped for 1 inch discharge pipe, and the faucet spout is threaded for three-quarter inch hose connection. One of the finest little hand pumps on the market for kitchen use. Absolutely guaranteed to give satisfaction.

3CP55915—Kitchen Force Pump. With 3 inch brass cylinder. Weight, 24 lbs. **\$3.85**

NOTE—The vertical distance from pump to water should not exceed 25 feet.

Kitchen Force Pump \$5.10
Heavy Design

A heavily built Cast Iron Kitchen Force Pump, of extra strong design. This pump will last a lifetime. Easy working. Throws a large volume of water with very little exertion. Pump is tapped in back of spout for 1 inch iron pipe connection.

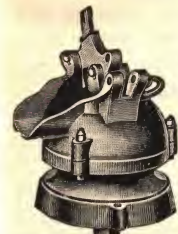
Pump is fitted with heavy cast iron spout cock, with 3/4-inch hose coupling, as shown in illustration. If it is desired to force water to elevated tank, pipe is connected to back outlet of pump, and a gate valve and check valve placed in this pipe. When it is desired to pump water to tank, spout cock is closed, and this valve is opened so that water is directed to tank.

Pump may be used as a plain lift pump by simply closing valve in this discharge pipe and opening spout cock, so that water will be delivered from pump spout in the ordinary manner. Furnished with 3 in. brass or iron cylinder, one size only, for 1 1/4 in. suction pipe. Weight, 30 lbs.

3CP55918—Kitchen Force Pump, as described. **\$5.10**

3CP55919—Kitchen Force Pump, same as above, with brass lined cylinder. Each. **6.10**

NOTE—The vertical distance from pump to water should not exceed 25 feet.

Diaphragm Pumps**Bottom Suction \$9.45**

For pumping water from mines, stone quarries, cellars, ditches, etc., and for irrigation purposes. Intended for short lifts, where the water is not more than 20 ft. (vertically) from pump. Not affected by fine gravel, sand, or other sediment, and very desirable for pumping muddy water. Used extensively on vessels, railroads, and by contractors. Price includes heavy wrought-iron handle.

No. 1 has a capacity of 3/4 gal. per stroke, fitted for 2 1/2-in. iron pipe or hose.

No. 2 has a capacity of 1 1/2 gal. per stroke, fitted for 3-in. iron pipe or hose.

3CP55940—No. 1, bottom suction. **\$9.45**

3CP55941—No. 2, bottom suction. Weight, 86 lbs. **\$13.00**

Each (at factory in Illinois).

DIAPHRAGM PUMP, SIDE SUCTION
We can furnish the same style pump, fitted for side suction instead of bottom, otherwise the same size and capacity.

3CP55942—No. 1, side suction. Weight, 125 lbs. Each. **\$9.75**

3CP55943—No. 2, side suction. Weight, 130 lbs. Each (at factory in Illinois). **\$13.50**

"Lakeside" \$4.55**Water Elevator and Purifying Pump**

Made from selected, well seasoned lumber, painted and decorated.

THE WATER is brought to the surface in galvanized iron buckets, which, when passing down, are full of air, and thus thoroughly purifying the water and preventing it from becoming foul and unwholesome. They agitate the water, force air into it, remove foul odors or unpleasant tastes, destroy wiggle tails, bugs, and water lice, and often purifying the foulest well or cistern in a few days.

ILLUSTRATION shows method of putting pump in the well. Very simple and does not require the services of an expert. Intended for "any dug well over 18 inches in diameter and up to 40 ft. deep. Weight, about 80 lbs.

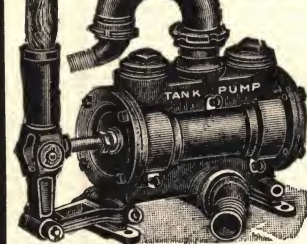
Complete for Each

3CP56100 —10-foot well	\$4.55
3CP56101 —15-foot well	5.45
3CP56102 —20-foot well	6.40
3CP56103 —25-foot well	7.30
3CP56104 —30-foot well	8.20
3CP56105 —35-foot well	9.15
3CP56106 —40-foot well	10.05

EXTRA CHAIN BUCKETS

3CP56108—Extra Galvanized Chain Buckets. Weight, 1 lb. per foot. Per foot. **9c**

For suitable iron platform, see **3CP56136** on Page 58.

"Royal" Double-Acting Tank Pump \$5.60

A large capacity, Double Acting Pump, for filling threshing tanks, stock watering, irrigating, etc. In fact, for any purpose where an easy working pump of very large capacity is required. This pump will draw water by suction a vertical distance of 25 feet. Owing to the large cylinder bore, it is not to be recommended as a force pump for forcing water against high pressures, or high elevation; but for emptying ditches, cess pools, filling tanks, etc., this pump will be found much more satisfactory than pumps of smaller bore.

The great feature of this pump is its enormous capacity. It will deliver 2,000 gallons of water per hour, under ordinary working speed. The suction and discharge outlets of the pump are two inches in size, tapped for iron pipe thread. The discharge outlet is fitted with a heavy two-inch cast iron goose neck, with couplings, as shown in illustration. The end of this goose neck is fitted with a hose spigot for connection to one-inch discharge hose. This goose neck is also tapped for two-inch iron pipe thread, so that it may be connected to two-inch discharge pipe, if desired. Valve seats are of brass, and are practically indestructible. Check valves are metal, faced with rubber. Pump is reversible; by reversing cylinder heads handle may be placed at either end.

2EP53260—Double Acting Tank Pump, as described, including strainer, handle and hose couplings. Hose not included. Weight, 87 lbs. **\$5.60**

2EP53262—Pump as above, with 20 ft. 2-inch suction hose; 1-inch discharge hose; nozzle and clamps. Weight, 117 lbs. **\$12.50**

Each

STRAINER FOR TANK PUMP

3CS5928—Cast Iron Black Japan Globe Strainer. Made to fit two-inch suction hose, like illustration. Keeps chips, etc., from getting into pump. Weight, 4 lbs. Each. **70c**

Each

Water Elevator and Purifier (Galvanized Steel) \$6.50

Made entirely of heavy galvanized sheet steel, fitted with heavy cast iron base, and is one of the neatest and strongest pumps made. Every precaution should be taken to secure the circulation of pure air through the water we drink. You cannot have pure water unless you aerate it. Pump operates in the same way as **3CP56100**, shown in the first column. Weight, about 60 lbs.

3CP56110—Complete with buckets for 10-ft. well. **\$6.50**

3CP56111—Complete with buckets for 15-foot well. **\$7.50**

3CP56112—Complete with buckets for 20-foot well. **\$8.40**

3CP56113—Complete with buckets for 25-foot well. **\$9.25**

3CP56114—Complete with buckets for 30-foot well. **\$10.15**

For suitable iron platform, see **3CP56137** on Page 58.

EXTRA CHAIN BUCKETS

3CP56118—Extra Galvanized Chain Buckets for above Pumps. **9c**

Per foot. Weight, about 1 lb. per foot.

CISTERN COVERS

3CP56140—Cast Iron Covers for Cisterns. Diameter of flange, 19 1/2 inches to fit a 20-inch opening. Made with two lugs in the rung, so that a slight turn of the cover locks it and prevents children from opening it. Weight, 50 lbs. **\$2.20**

Each

Rubber Bucket Chain Pump

Galvanized Steel **\$4.05**

Made of heavy galvanized steel. Fitted at bottom with a heavy cast iron base, which prevents any water from leaking out at the top of the well, a common fault with many pumps of this class. The fixture is of the latest improved pattern. In construction, material, and workmanship the pump cannot be surpassed. Handsomely decorated with two coats of paint and one coat of varnish. Weight, about 50 lbs.

Each pump is complete with galvanized steel tubing, and rubber buckets.

3CP56120—Complete for 10-ft. well. **\$4.05**

3CP56121—Complete for 12-ft. well. **4.25**

3CP56122—Complete for 13-ft. well. **4.55**

3CP56123—Complete for 15-ft. well. **4.80**

3CP56124—Complete for 20-ft. well. **5.30**

3CP56125—Complete for 25-ft. well. **5.55**

Pump Spout Attachment

Intended to attach to the spout of any ordinary lift pump for conveying water to a trough, or any point any distance from the pump. Weight, about 4 lbs.

3CS5890—Tapped for 1 1/4 in. iron pipe. **26c**

Each

3CS5891—Tapped for 1 1/2 in. iron pipe. **27c**

Each

Double-Acting Hand Air Force Pump \$8.95

3CP55945—Double Acting Hand Air Force Pump, like illustration. One of the most efficient hand air force pumps ever placed on the market. This pump throws a large, continuous volume of air, and will develop a pressure up to 100 lbs. Strongly built, finely finished, and well made in every way. The workmanship on this pump is practically perfect. Cylinders are made of heavy, solid brass seamless tubing, with brass caps mounted on trunnions on cast iron base, as shown. Cylinders oscillate with lever handle, and are cross connected with flexible rubber tube, so that they both discharge into a common outlet. Pumps air on every stroke, both forward and backward. Makes an ideal pump for testing purposes, and for use in connection with pneumatic water supply systems. As an automobile tire pump, it is unsurpassed. Absolutely guaranteed to give satisfaction. Fitted for 1/4 in. iron pipe connection. Weight, 40 lbs. Each. **\$8.95**

NOTE—Above pump can be furnished with flexible extension hose, with thumb screw thread for attachment to tire valve, for pumping up automobile tires at an extra charge of 75c.

Each

Rubber Bucket Chain Pumps

Made from well-seasoned wood, painted and decorated, with galvanized tubing. Weight of pump, about 35 lbs.

3CP56128—Rubber Bucket Chain Pump. Complete for well 10 feet deep. **\$2.55**

3CP56129—Rubber Bucket Chain Pump. Complete for well 12 feet deep. **\$2.75**

3CP56130—Rubber Bucket Chain Pump. Complete for well 15 feet deep. **\$3.05**

3CP56131—Rubber Bucket Chain Pump. Complete for well 18 feet deep. **\$3.40**

3CP56132—Rubber Bucket Chain Pump. Complete for well 20 feet deep. **\$3.50**

We do not advise the use of chain pumps for wells deeper than 20 feet.

Galvanized Pump Chain

3CS6145—Made of the best grade of steel rod, thoroughly galvanized. Weight, 8 oz. per foot. **3c**

Per foot.

Rubber Buckets

3CS6142—Rubber Buckets for Chain Pumps. Made of the best grade of white rubber, and heavily tinned iron links. Size, 1 1/2 in. Weight, 3 oz. Per doz. **38c**

Each

PUMP FITTINGS

Drive Well Points

Made of wrought pipe. Perforated and galvanized. Covered with a perforated brass jacket. The point in common use is No. 60 gauge. We furnish points of No. 100 gauge for quicksands, etc. The terms No. 60 and No. 100 refer to the number of wire meshes to the inch.

Diam. (Pipe Size)	Length, In.	Weight, Pounds	3CP55990 No. 60 Gauge Ea.	3CP55991 No. 100 Gauge Ea.
1 1/2	2 1/2	4 1/2	\$0.71	\$1.52
2	3	6 1/2	.90	1.92
2 1/2	3 1/2	7 1/2	1.17	2.32
3	4	8 1/2	1.44	2.88
3 1/2	4 1/2	9 1/2	1.71	3.44
4	5	10 1/2	2.00	4.00
4 1/2	5 1/2	11 1/2	2.27	4.56

Pump Leathers

Our Pump Leathers are made of fine oak-tanned stock. Quality guaranteed. Weight, from 1 to 4 oz. each.

Crimped Plunger



Leathers

3CP55984—Please note: Size corresponds to the inside diameter of cylinder.

Size in.	Each	Size in.	Each
1 1/2	\$0.04	3 1/2	\$0.12
2	.05	4	.15
2 1/2	.06	4 1/2	.20
3	.08	5	.25
3 1/2	.08	5 1/2	.30
4	.08	6	.32

Check Valve Leather

3CP55985—We give sizes of both the outside diameter of the leathers and the corresponding size of cylinder.

For Cyl'dr Inside Diam.	Outside Diam. of Leather	Each	Per Dozen
2 in.	2 1/2 in.	\$0.04	\$3.38
2 1/2 in.	3 in.	.04	.40
3 in.	3 1/2 in.	.05	.50
3 1/2 in.	4 in.	.06	.62
4 in.	4 1/2 in.	.08	.90
4 1/2 in.	5 in.	.10	1.05

Expansion Drill

3CP56016—For drilling earth or rock. Made of best forged cast steel.

Trade Size	Pipe Size	Makes Hole Diam. Inches	Weight, Lbs.	Each
2	1 1/2	1 1/2	3 1/2	\$2.25
3	2	2	5	3.75
4	2 1/2	2 1/2	9	4.35
5	3	3	15	5.75

Spiral Earth Augers

Made from special steel properly tempered, black finish. Suitable for boring wells in any soil that is free from large rocks or hard pan. The sizes 2 1/2 and 3 in. are fitted for 1 1/2 in. pipe. Sizes 4, 5 and 6 in. are fitted for 2 in. pipe.

Diam.	Lbs.	Each	Wt.	Each
2 1/2	10 1/2	\$2.05	7	\$2.04
3	12 1/2	2.20	9	2.10
4	18	3.15	14	3.10
5	24	4.20	22	4.15
6	40	7.20	32	7.15

Well Chain

Iron Well Chains. Length 2 ft. with hook and ring. Weight, 10 ounces.

3CP56072—Plain.	Each	3CP56073—Galvanized.	Each
Per dozen	.75c	Per dozen	1.10c
Per dozen	.75c	Per dozen	1.10c

Eureka Tubular Well

Cylinders
3CP55975—Used chiefly in deep wells to slip inside of pipe after well is completed. Can be fastened at any point and withdrawn for repairs. Prices are for brass body cylinders and valves complete as shown. Has 12-in. stroke. Not made smaller than for 2-in. pipe.

When ordering pipe for this style cylinder, specify that you want the pipe to be plugged and reamed, for which a nominal extra charge is made, approximately 1c per foot.

Size in.	Weight lbs.	Each
2	2 1/2	3
2 1/2	3	4
3	4	5

3CP55998—For open wells and cisterns. Made of malleable iron. Will not break. Covered with brass wire cloth.

Sizes	Weight	Each
1 1/2 in.	1 1/2 lbs.	14c
2 in.	1 1/2 lbs.	14c
2 1/2 in.	2 lbs.	19c
3 in.	2 lbs.	26c

Well Wheel

3CP56070—Well Wheels, Japanned. Wt., 5 lbs. Diameter, 8 in. Each, 23c. Diameter, 10 in. Each, 33c. Diameter, 12 in. Each, 38c.

Sand Pump and Drill

3CP56015—Best forged cast steel.

Size, Ins.	Pipe Size	Wgt., Lbs.	Each
2	1 1/2	1 1/2	\$0.95
3	1 1/2	3	1.15
4	1 1/2	3 1/2	1.45

Seating Tool for Eureka Cylinder

3CP55976—Threaded to take 1 in. pipe. Used to fasten cylinder in place. Weight 2 lbs. each. Size, 2 in., each, 27c. Size, 2 1/2 in., 41c. Size, 3 in., 53c.

Pipe Size in.	Weight lbs.	Price Each
1 1/2	10 1/2	\$2.00
1 1/2	13 1/2	2.01
2	16	2.02

Stuffing Box Head

3CP56012—Made of iron. With polished steel rod, fitted at top end with square wood rod socket and at bottom for 7-16 in. steel rod. With 10 in. steel stroke.

Pipe Size in.	Weight lbs.	Price Each
1 1/2	3 1/2	\$1.48
2	4	1.50
2 1/2	5 1/2	1.53

Drive Caps

3CP55995—Malleable iron. For driving well points. Are much heavier than the ordinary

Pipe Size in.	Weight lbs.	Each
1 1/2	1 1/2	13c
2	2	16c
2 1/2	3	27c

Iron Pump Stand

3CP56060—Made of cast iron. Fastened to the well casing with set screws. Has a slotted top to which the base of the pump is bolted. Holds the pump tight and rigid.

Pipe Size in.	Weight lbs.	Each
1 1/2	22	26
2	22	27
2 1/2	22	27

Pump Platforms

Made of heavy cast iron. Will last a lifetime. Are far better than wood, which soon decays and allows water and dirt to run back into the well or cistern.

Use an iron platform and keep your well water pure and clean.

3CP56135—Iron Platform for Pumps
3CP6120, etc. Width, 33 in. Length, 35 in. Approximate weight, 70 lbs. Each\$4.65

3CP56136—Iron Platform for Pumps
3CP6100, etc. Width, 33 in. Length, 40 in. Approximate weight, 80 lbs. Each\$4.65

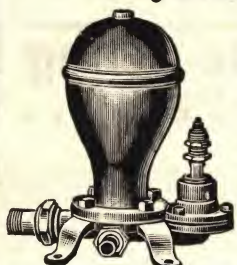
3CP56137—Iron Platform for Pumps
3CP6110, etc. Width, 33 in. Length, 40 in. Approximate weight, 80 lbs. Each\$4.65

Foot Valve and Strainer

3CP56000—Foot Valve and Strainer. Made of cast iron. Japanned. Threaded for iron pipe.

Size	1 1/2	1 1/2	2
Wt.	.3 lbs.	5 lbs.	6 lbs.
Each	.26c	33c	45c

Hydraulic Ram



3CP55950—A WONDERFUL LITTLE MACHINE which will automatically lift water to a tank or reservoir, provided it is placed so as to obtain a fall of two feet or more from the stream, or source of supply to the ram.

For instance: If you are near a stream, lake or body of water, so situated that you can secure a fall of two feet or more from the water to the location of the ram, the ram will automatically discharge a certain proportion of the water to a point considerably above and beyond the ram.

The amount of water which the ram will discharge depends on the fall and the height of the discharge.

The larger size rams, where an abundance of water is supplied, are adapted for elevating to the greatest heights and longest distances.

A considerable portion of the water is wasted, and for this reason the ram should be placed in a position where the waste water will drain off, as the ram will not operate if submerged. After the ram is placed in position, it will work day and night, without further care or attention.

The only parts that will wear out in time, being the outside impetus valve which, however, is made of hard bronze and will give long service.

It furnishes an extremely economical method of supplying water to farms or country residences, and in such conditions are favorable for the installation of one of these machines we suggest you write for our special circular giving full details as to the efficiency of these wonderful machines, which we will gladly send free upon request. They are made of iron, with hard bronze impetus valve and case, and are practically indestructible. Order No. 3CP55950.

Size	Quantity furnished by reservoir to which ram is adapted. Gal. per min.	Size of Pipe		Average Pounds	Each
		Drive in.	Disch'g in.		
2	1/2 to 2	3/4	1	25	\$ 5.20
3	1 1/2 to 4	1	1 1/2	35	6.25
4	2 to 7	1 1/2	2	42	7.95
5	6 to 14	2	2 1/2	72	12.40

Prices on larger rams on application.

Well Cylinders

Made heavy and strong, bored smooth, and fitted with best valves and leathers. The proper size cylinder to use in a certain well must be determined by your own good judgment, but for ordinary hand use we suggest the following:

For wells 20 to 40 ft. deep..... 3 1/2 to 4
For wells 50 to 80 ft. deep..... 3 to 3 1/2
For wells deeper than 80 ft..... 2 1/2 to 3

For windmill use a somewhat smaller cylinder should be used, but this will depend on the size of your mill.

The larger the cylinder the more water you will raise, but the power applied will also have to be greater. For instance, a 4-inch cylinder will work somewhat harder than a 3-inch, but will also deliver more water per stroke.

The 10-inch and 12-inch cylinders have a 6-inch stroke, and the 16-inch cylinders have a 10-inch stroke. Always state size of pipe for which you want cylinders fitted, otherwise we will send according to our best judgment. They are usually fitted 1 1/2-inch pipe for all cylinders smaller than 3 1/2-inch, and 1 1/2-inch or 2-inch pipe for cylinders 3 1/2-inch to 4-inch. Weights range from 9 to 25 pounds each. We save you about one-half, and guarantee the quality.

Iron Well Cyl's.		Brass Lined Cyl's.		Brass Body Cyl's.	
Inside Diameter of Bore, inches	Length, inches	Inside Diameter of Bore, inches	Length, inches	Inside Diameter of Bore, inches	Length, inches
2	10	2	10	2	10
2 1/2	12	2 1/2	12	2 1/2	12
3	14	3	14	3	14
3 1/2	16	3 1/2	16	3 1/2	16
4	18	4	18	4	18
4 1/2	20	4 1/2	20	4 1/2	20
5	22	5	22	5	22
5 1/2	24	5 1/2	24	5 1/2	24
6	26	6	26	6	26
6 1/2	28	6 1/2	28	6 1/2	28
7	30	7	30	7	30
7 1/2	32	7 1/2	32	7 1/2	32
8	34	8	34	8	34
8 1/2	36	8 1/2	36	8 1/2	36
9	38	9	38	9	38
9 1/2	40	9 1/2	40	9 1/2	40
10	42	10	42	10	42
10 1/2	44	10 1/2	44	10 1/2	44
11	46	11	46	11	46
11 1/2	48	11 1/2	48	11 1/2	48
12	50	12	50	12	50
12 1/2	52	12 1/2	52	12 1/2	52
13	54	13	54	13	54
13 1/2	56	13 1/2	56	13 1/2	56
14	58	14	58	14	58
14 1/2	60	14 1/2	60	14 1/2	60
15	62	15	62	15	62
15 1/2	64	15 1/2	64	15 1/2	64
16	66	16	66	16	66
16 1/2	68	16 1/2	68	16 1/2	68
17	70	17	70	17	70
17 1/2	72	17 1/2	72	17 1/2	72
18	74	18	74	18	74
18 1/2	76	18 1/2	76	18 1/2	76
19	78	19	78	19	78
19 1/2	80	19 1/2	80	19 1/2	80
20	82	20	82	20	82
20 1/2	84	20 1/2	84	20 1/2	84
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31 1/2	128	31 1/2	128	31 1/2	128
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33 1/2	136	33 1/2	136	33 1/2	136
34	138	34	138	34	138
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42	170	42	170	42	170
42 1/2	172	42 1/2	172	42 1/2	172
43	174	43	174	43	174
43 1/2	176	43 1/2	176	43 1/2	176
44	178	44	178	44	178
44 1/2	180	44 1/2	180	44 1/2	180
45	182	45	182	45	182
45 1/2	184	45 1/2	184	45 1/2	184
46	186	46	186	46	186
46 1/2	188	46 1/2	188	46 1/2	188
47	190	47	190	47	190
47 1/2	192	47 1/2	192	47 1/2	19

"Improved Clipper" Galvanized Steel Windmills and Towers

No Better Made at Any Price. Requires Less Repairs Than Any Other

NEWLY IMPROVED FOR 1914

No Other Mill Equal to Our "Improved Clipper" That Sells at Anywhere Near Our Prices. Back Geared 2½ to 1.



\$13.65

For 20 years we have handled, with great satisfaction to ourselves and customers, our well known "Clipper" line of Pumping Windmills. We have shipped them to all sections of the U. S. and nearly every country in the world. The continued increase in our sales evidences the good service they have given. The building experts, after years of constant effort, have now perfected our "Improved Clipper" improving the operation, simplifying the construction, making need of repairs less than ever, and perfecting little details of the old "Clipper," which all combined, warrant us in making the assertion that "You cannot purchase its equal at anywhere near our prices. You cannot buy a better one even if you paid double what we ask for it."

WE GUARANTEE

Our Improved Clipper Windmills and Towers to be carefully constructed of No. 1 material throughout, and when properly erected and cared for, will pump as much water, and require no more repairs than any other mill on earth of equal size, under similar circumstances.

We also agree to replace or repair, free of charge, any part that breaks from defect within one year.

We fully warrant our mills and towers to stand up in any storm that does not damage surrounding buildings, trees or windmills.

This guarantee in force one year from date of purchase.

THE ERECTION

of our windmills and towers is no mechanical problem. The intelligible and concise directions that we supply enables the regular farm hands to erect them without difficulty. If directions are properly followed, skilled help is not necessary.

CONSTRUCTION

Strength, durability and simplicity are fully demonstrated in our Improved Clipper. The materials used are such as are best adapted to the requirements, and are heavy enough to withstand all strain, yet not so heavy as to give the mills a clumsy appearance, or prevent them from being thoroughly effective.

WINDMILL WHEEL is made up in six sections, in all sizes, except the 6 ft. mill, which is in four sections. Our 6, 8, 12, and 16 ft. mills have four sails to each section; 10 and 14 ft. mills have five sails to each section. Each section is rigidly supported by heavy angle steel braces. Sails are made of heavy galvanized steel, and shaped to receive the full effectiveness of the wind.

VANE is made of heavy galvanized sheet steel, and heavy steel bracing, and is provided with an effective spring governor, which by its action on the vane, holds the wheel at the proper angle to develop only the required velocity for work in heavy winds, and causing it to face lighter winds fully and obtain the full effect. Governor is adjustable so that the operator can readily set it to get the best results from the prevailing winds in his section.

THE WORKING HEAD is the most simple ever used on any mill, and distributes the strain and wear equally, so that there are no weak parts to give trouble, no need of frequent repairs. Is back-gearred 2½ to 1, so that the wind wheel makes 2½ revolutions to each stroke of the pump. This feature is especially superior to the direct stroke mills, as the pump will operate on much lighter winds than the direct stroke mills, and in a storm there is less liability of damage to the pump or working parts.

AN EFFECTUAL BRAKE, operated through the governor spring, automatically holds the wheel when locked out of the wind. The pumping rod connection has swivel joint through the center, through which the pull-out wire passes, and allows the mill to turn freely without entangling the pull-out wire. Thirty-two feet of pump pole furnished with mill, when mill only is ordered. When mill and tower are ordered complete, sufficient pump pole is supplied to connect pump. We recommend the purchase of mill and tower together, as the tower caps to receive mill are perfectly fitted, and the entire outfit can be erected with very little trouble. When mills only are ordered, we always furnish cap for wood tower, unless the steel tower cap is especially ordered. When so specified, we can supply mast fittings with the mills in place of wood or steel tower caps. Prompt shipments direct from warehouse Northern Illinois. Prices given below are for mills only, complete with tower cap, ready to set on tower. They do not include the short stub tower, shown in illustration.

Cat. No.	Size of Wheel	Length of Stroke	Weight	Price at Warehouse
2EF52820	6 ft.	4 & 6 in.	280 lbs.	\$13.65
2EF52821	8 ft.	4, 6 & 8 in.	380 lbs.	18.50
2EF52822	10 ft.	4, 6 & 8 in.	470 lbs.	24.00
2EF52823	12 ft.	6, 8 & 12 in.	950 lbs.	49.50
2EF52824	14 ft.	6, 8 & 12 in.	1100 lbs.	67.50
2EF52825	16 ft.	10, 12 & 14 in.	1720 lbs.	104.00

Simple Mechanism Equal Strain

Everything in the construction tending to cut down repair expense.

6 Sizes 6 Ft. to 16 Ft. Wheels

Prompt Shipment

Detail Cut of Working Head

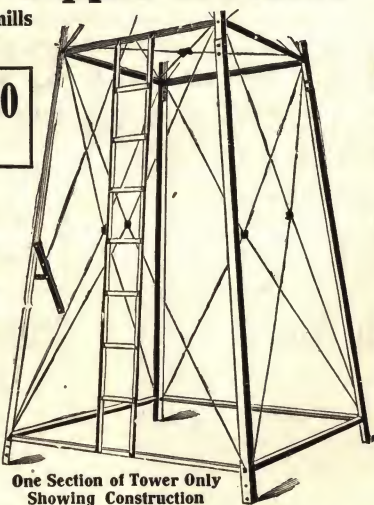
Galvanized Steel "Clipper" Towers

To Use with Our "Improved Clipper" Windmills
Tension Cross Braces

Extra Heavy
Notice the Weights
4 Posts
These Prices Are For
Towers Only

**20 Ft. \$13.90
Tower**

The strongest and most substantial towers made. The bracing is done in a manner that renders the tower rigid, clamps being used by which an equal tension is put on every brace. A set of cross girts is provided for every 10-ft. section, the last set being close to the ground and just above the anchor post joints. Each 10-ft. section is thoroughly braced by four sets of round steel brace rods with eyes turned at each end so as not to reduce the size. Two rods on each side of the tower cross each other at a point near the center of the section, where they are clamped and can be tightened so that each pair of rods bears the same tension, making the tower rigid and firm. In addition diagonal cross rods from corner post to corner post in every 10-ft. section, by means of which the tower is squared up. LADDERS are made of steel, firmly riveted, making it safe to climb. Pull-out lever attached to left post is furnished when mills and towers are ordered together. **ANCHOR POSTS** are made of the best quality of angle steel. Each tower furnished with platform. Made in three styles or weights, each properly proportioned for the mills they are designed to support. Prices are at warehouse, Northern Illinois.



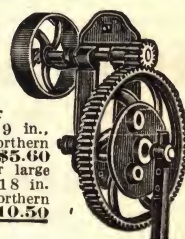
2EF52830—Height, 20 ft., weight, 350 lbs.	Model No. 1. For 6-ft. and 8-ft. Mills	\$13.90
2EF52831—Height, 30 ft., weight, 535 lbs.		20.75
2EF52832—Height, 40 ft., weight, 700 lbs.		27.95
2EF52833—Height, 50 ft., weight, 940 lbs.		38.90
2EF52836—20 ft., weight, 390 lbs.	Model No. 2. For 10-ft. Mill	\$15.50
2EF52837—30 ft., weight, 560 lbs.		22.40
2EF52838—40 ft., weight, 745 lbs.		29.95
2EF52839—50 ft., weight, 1000 lbs.		39.65
2EF52842—20 ft., weight, 545 lbs.	Model No. 3. For 12-ft. and 14-ft. Mills	\$22.90
2EF52843—30 ft., weight, 790 lbs.		33.85
2EF52844—40 ft., weight, 1045 lbs.		43.60
2EF52845—50 ft., weight, 1385 lbs.		55.70
2EF52847—20 ft., weight, 750 lbs.	Model No. 5. For 16-ft. Mill	\$32.50
2EF52848—30 ft., weight, 1100 lbs.		48.75
2EF52849—40 ft., weight, 1400 lbs.		62.50
2EF52850—50 ft., weight, 1815 lbs.		83.00

"Clipper" Pumping Jacks, \$5.60

For belt power connection to pump. Geared back one to six, pump rod makes one stroke while the driving pulley makes 4½ and 5½ revolutions. Made in two sizes for medium and heavy pumps. Pump connection, 8 ft. of pump pole and such bolts as are necessary to attach the jacks to posts included.

2EF52861—No. 1 Pump Jack with 10x4 in. pulley for ordinary pumps, back geared 5½ to 1, and with 6 in., 9 in., and 12 in. strokes; weight, 90 lbs. Price, at warehouse, Northern Illinois, \$5.60.

2EF52862—No. 2 Pump Jack with 12x5 in. pulley for large pumps, back geared 4½ to 1. Has 12 in., 15 in., and 18 in. stroke; weight, 150 lbs. Price, at warehouse, Northern Illinois, \$10.50.

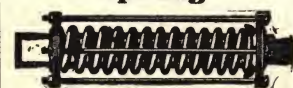


"Clipper" Windmill Regulator

When tank is empty the regulator lets the mill into the wind until tank is full. When full the regulator throws the mill out of wind. It starts mill when the water in the tank is lowered 8 inches. It can be attached to a 2x8 in. plank on either side of pump rod. Tank may be located a distance from the windmill. Wire furnished to connect to tank at tower; additional wire is extra. Rack bar is made of steel, balance of malleable iron. Directions with each. Float not furnished.

Weight, 14 lbs.
2EF52856—Price \$1.90
2EF52857—Extra wire per rod .05

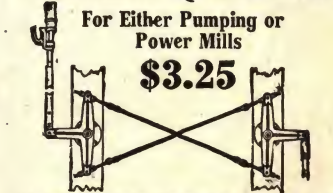
Windmill Pump Spring



A cushion spring, simple in construction, and intended to connect between the wood and flat pump bar, or it can be readily changed to any joint on the wood rod, eliminating the jar and jerking on pump and lengthening the life of same. It fits all pumping mills and attaches the same as any common pump connection. Makes pumping easier and allows the windmill to do more work in lighter winds. Weight, 7¼ lbs.

2EF52859—Price .90c

Windmill Quadrants



To transmit power from mill when the mill is some distance from the pump. Two levers with two wires drawn tight by take-up bolts. Pump connection, 8 foot of wood pump rod, pivot plates and center bolts included. Weight, 53 lbs.

2EF52864—Price, without wires. Each \$3.25

2EF52865—Quadrant wire for connecting. Price, per rod .5c

One Horse Power Water Cooled \$26⁵⁰

Shipped Promptly from
Kansas City

Design and Construction
Proportion and Power

The "DAIRY MAID" was designed particularly for women's work. Many engines have been designed and placed on the market, but all for doing man's work. Here is women's chance to enjoy the benefits of gas engine power. This little engine is convenient and is built along the same lines as our Neward line of engines for heavy duty. The working parts are all as carefully fitted as on the big farm machines.

The Governor is extremely accurate and sensitive, therefore the speed may be controlled to a nicety.

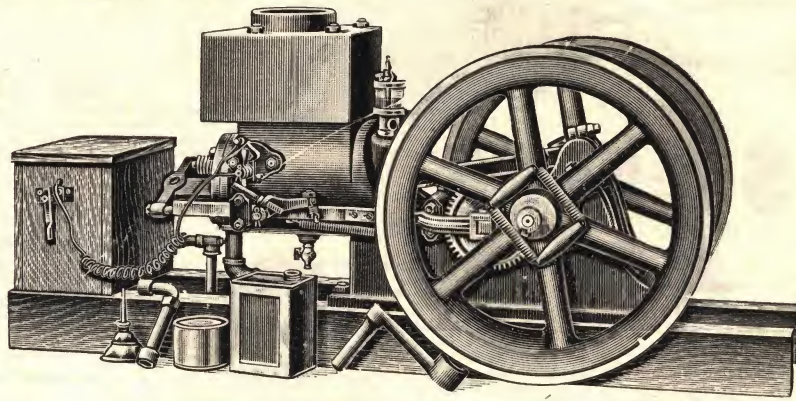
The "Dairy Maid" is proportioned in the same liberal manner as the now famous Neward Engine. The cylinder is just the same size as other engines rated at one and one-half horsepower; but as we have adapted honest and liberal horsepower rating, as our motto in the gas engine line, you will get the same extra power, the same liberal amount of surplus energy in the "Dairy Maid" as you will in the highest priced engine we build.

Suitable materials are used in every part of the machine. The work is all that can be desired by the most careful and critical buyer. In fact, it is very much better than that usually found in machines of this type. The "Dairy Maid" is built in a factory which is devoted solely to the production of our Neward engines; and the most skilled workmen, the same high grade automatic machines that turn out the Neward also build the "Dairy Maid."

"The Dairy Maid" A Safe, Clean, Quiet Little Gasoline Engine

Particularly adapted to Women's Work. Equally useful for all small and light jobs on the farm. For pumping water, turning the grindstone, the emery wheel, running the disc sharpener, etc.

60 Days' Free Trial—Read The Guarantee



Dimensions, Weight and Specifications

Cylinder Bore and Stroke, 3 1/4 x 4 inches. Normal speed, 500 revolutions per minute. Pulley, 4 inches in diameter, 4-inch face. Shipping weight, approximately 200 pounds.

Equipment

Battery Box, containing dry batteries, Spark Coil, Switch, and necessary wire. Sight Feed Oiler for cylinder. Full equipment of oil pockets and grease cups for all other moving parts. The same governor as used on our small sizes of the Neward. Hopper cooled. Gasoline Tank located under engine base. Carburetor, Suction Feed, Muffler, and Instruction Book.

All complete and ready to run as soon as the gasoline tank and lubricators are filled.

3EF335—Water Cooled Engine. Shipping weight, 200 lbs. Price.....\$26.50

Don't overlook the advantages of a Water Cooled Engine. All danger of overheating is eliminated. You can use it continuously. The air cooled engine can be built cheaper, but you don't get the efficiency that is what you pay for. If you would have your work done well, let the "Dairy Maid" do it. It will do you a good turn at every revolution.

Try a "Dairy Maid" Engine, and a "Golden Harvest" Cream Separator. One saves work, the other saves money. Think this over. It won't cost you anything to try it. Read our 60-day free trial offer.

Guarantee

We guarantee the "Dairy Maid" Engine for all time against defective material or imperfect workmanship, and will duplicate free of all cost any part that breaks or gives way which shows original defect or imperfection. We also guarantee it to develop one brake horsepower at normal speed continuously under all weather conditions when operated according to the directions we furnish.

One Horse Power Water Cooled \$26⁵⁰

Shipped Promptly from
Kansas City

The "Dairy Maid" is Truly
a Woman's Engine

A noted writer and observer of events recently made the statement that women today are doing their housework in practically the same way as they did one hundred years ago; that is, without the aid of labor saving machinery. He also said that if man was doing the housework, he would have machinery to do practically all of the hard work. This is only too true. Man invents his own machinery and gives more thought to making his own labors easier than he does to the work of the woman. Such improved labor saving machinery as you do see for work around the house is generally hand power. At a slight expense these machines can be equipped to attach a small engine to them and the overworked housewife can be relieved of much of the daily drudgery and see a bright side to life.

Fully realizing these conditions we have made an engine which will do the hard work around the house. The "Dairy Maid" is that engine. It is as simple to operate and as easy to take care of as a sewing machine. The low price brings it within the reach of everyone; the operating expenses are as low as could reasonably be hoped for and still get good results.

In addition to being of such great help to a woman, the "Dairy Maid" can readily be utilized for doing innumerable jobs about the farm. The more that you can find for it to do within its capacity, the more profitable investment it becomes. It is like other modern inventions—after owning one you will wonder how you got along without it all these years.

PUMP JACKS

No. 10 and No. 11

WITH AND WITHOUT BASE

No. 10

\$375

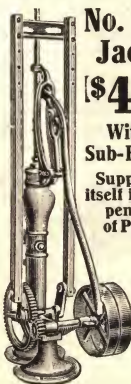
FOR ATTACHING TO ORDINARY
WELL PUMP STANDARDS

Others Ask 50 Per Cent More Than
Our Prices



Back geared jacks, to operate by belt, with small gasoline engine or other belt power, and can be attached to any ordinary pump with windmill top. Speed 150 to 200 revolutions per minute. Back geared 4 to 1, and with speed of 160 revolutions, will make about 40 strokes of pump per minute. Three strokes, 5 in., 7 1/2 in., and 10 in. Pitman rods are vertical on upstroke, so there is no side wear on pump bar. Tight and loose pulleys, 12 in. diameter for 2 in. belt. Furnished with clamp, and bolts to attach to pump standard. Prices do not include pump shown in illustration. Shipped from Kansas City.

3EF50210—No. 10 Jack, with leg support, to clamp direct to pump. Weight, 70 lbs. Price.....\$3.75
3EF50212—No. 11 Jack, same as above, except with sub-base to support it, necessary where jack cannot be clamped to pump. Can be used on floor, wall or ceiling. Complete with pump clamps. Weight, 80 lbs. Price.....\$4.35



No. 11
Jack

\$4.35

With
Sub-Base
Supports
itself independent
of Pump

DOUBLE BACK GEARED PUMP JACK

STRONG

AND SUBSTANTIALLY

BUILT

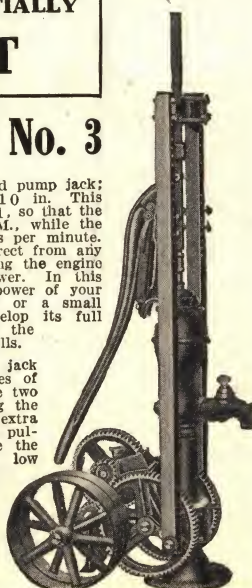
\$6⁵⁰

Pump Jack No. 3

No. 3, double back geared pump jack: three strokes, 5, 7 1/2 or 10 in. This jack is back geared, 13 to 1, so that the pulleys make 455 R. P. M., while the pump is making 35 strokes per minute. This enables you to belt direct from any small engine, without slowing the engine down and reducing its power. In this way you can use the full power of your engine on very deep wells, or a small high-speed engine can develop its full power and run the pump at the proper speed on shallow wells.

This is the best all-round jack to use with gasoline engines of 4 H. P. or less. There are two sets of driving gears, giving the jack double strength; an extra set of reducing gears, so the pulleys have high speed while the pump is being driven at low speed.

It is furnished complete with pump rod, pump yoke, grease cup, lag screws, bolts, and in fact, complete, as illustrated above. Weight is about 125 lbs. 3EF50215 — Price, at Kansas City.....\$6.50



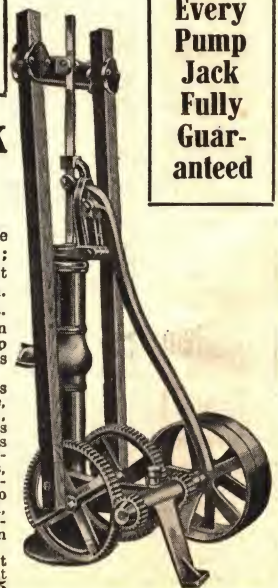
CLIMAX \$5⁷⁵ PUMP JACK

Double Gears
Single Reduction

Pump Jack
No. 2

No. 2 pump jack: three strikes, 5, 7 1/2 or 10 in.; back geared, 4 to 1; tight and loose pulleys, 12 in. in diameter for 2 in. belt. When pulleys are driven 140 R. P. M., the pump will make about 35 strokes per minute.

This jack has two sets of gears with 1 1/4 in. face, giving it double strength, and is suitable for wells 150 ft. deep or less. It is furnished complete, as illustrated, with pump poles, pump yoke, cast leg to support jack, clamp to go around pump standard, grease cups for main bearings, lag screws to fasten jack to pump platform. 3EF50214 — Weight about 100 lbs. Price, at Kansas City.....\$5.75



Every
Pump
Jack
Fully
Guaranteed

NEWARD GASOLINE ENGINES

MORE POWERFUL ENGINES CAN NOT BE HAD AT EQUAL PRICES

SEVEN SIZES
2 to 12 Horse Power

For pumping, domestic water supply systems, and for irrigation plants. Also for wood sawing and all general farm, shop or industrial purposes.

Positive Ignition

Efficient Lubrication

Variable Speed

Low Fuel Consumption

Liberal Dimensions

SEVEN SIZES
2 to 12 Horse Power

For pumping, domestic water supply systems, and for irrigation plants. Also for wood sawing and all general farm, shop or industrial purposes.

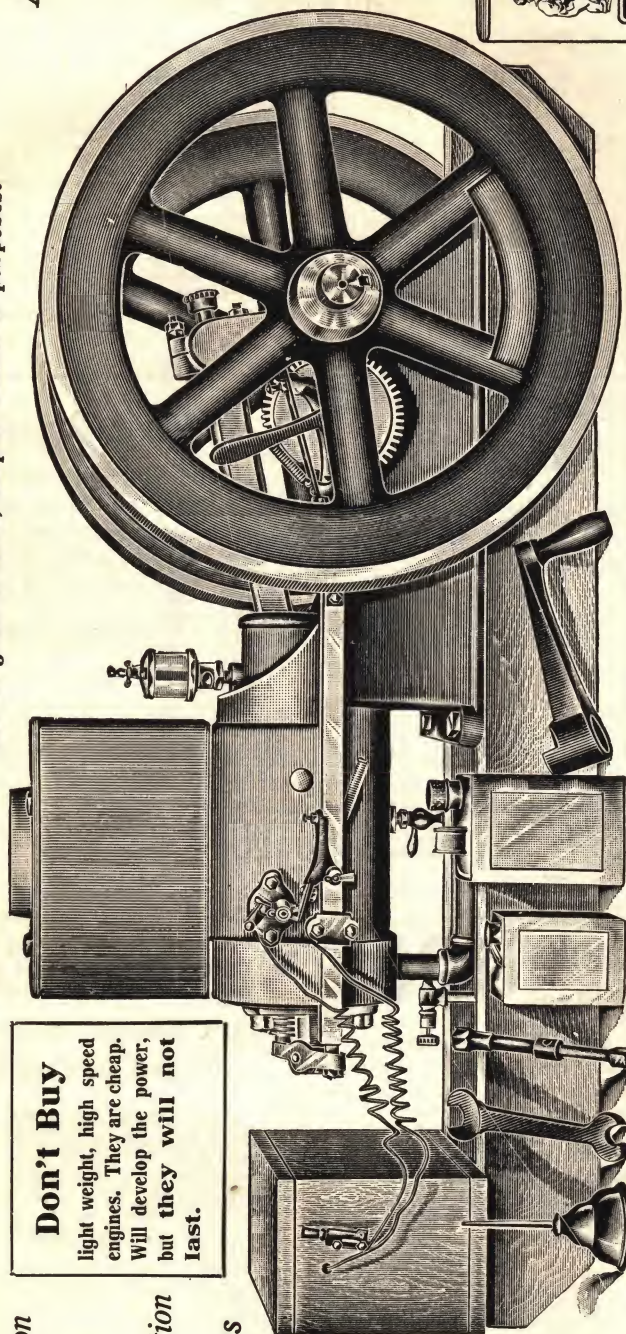
Positive Ignition

Efficient Lubrication

Variable Speed

Low Fuel Consumption

Liberal Dimensions



Don't Buy

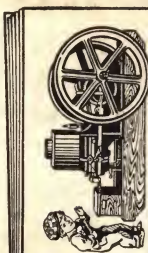
light weight, high speed engines. They are cheap. Will develop the power, but they will not last.

Correctly Designed
Accurately Machined
Carefully Tested
Honestly Rated
Durably Finished
Fully Guaranteed

We guarantee The Neward Engine to run as well—to last as long—to give as great satisfaction as any other Engine of the same type, regardless of price. We guarantee that it will develop its rated horse power at normal speed, continuously, without over heating or causing any undue strains or stresses. We guarantee that no part will be damaged by such load. We guarantee that it will give uninterrupted, satisfactory power service under all weather conditions, when operated according to the simple instructions which we furnish.

A "Built-In" Magneto does away with 80 Per Cent of Engine Trouble

When figuring on your plumbing, just remember this: Two-thirds of the weight of all your crops and stock is composed of water. A large part of that water must be pumped from suitable wells. The greatest amount of water is required in the warmest weather, at a time when pumping is hard work. To pump by power is to produce profit and reduce labor. To pump by power in the most profitable way, you should have a good engine, one that will do its work day in and day out, for years, with the least possible expense for fuel, renewals or repairs. Neward Engines cost less than some other engines, but they give you that reliable, dependable power service which results in the greatest satisfaction, and which means the making and saving of money. The smaller size is just the size you need to save you a great deal of money in the making and saving of money. The smaller size is just the size you need to save you a great deal of money in the making and saving of money. The smaller size is just the size you need to save you a great deal of money in the making and saving of money.



The Gasoline Engine that has Competition Beaten to a Frazzle.

Send For This New Gas Engine Book It's FREE

It explains the real difference in Gas Engines so you can understand it. Gives you full facts and figures on engine uses and constructions. Write for it now—a postal will do.

All Sizes in Stock at Kansas City—Quick Delivery

DIMENSIONS AND PRICES

Catalogue Number	Brake Horsepower	Diameter of Cylinder	Length of Stroke	Speed in Revolution Per Minute	Pump and Face of Pulley in Inches	Crank Shaft Diameter	Wheels in Inches	Fly Wheel Weight Each	Capacity of Gasoline Tank U. S. Gallons	Shipping Weight Approximate Lbs.	Prices at Kansas City	Extra Charge for Magneto	Extra Charge for Pulley Instead of Regular
3EP101	2	4 1/4	5	450	4 x 4	1 1/2	18	45	1	375	\$31.50	\$7.50	\$8.75
3EP103	3	4 1/2	6	400	4 x 5	1 3/4	22	75	1	475	\$49.50	\$9.50	\$12.00
3EP105	4 1/2	5	9	375	5 x 6	2	26	160	2	795	\$85.00	\$11.50	\$13.75
3EP107	6	5 1/2	10	350	6 x 8	2 1/4	30	215	3	1075	\$115.25	\$13.00	\$15.40
3EP109	8	6 1/4	12	325	8 x 10	2 3/4	36	335	4	1600	\$169.75	\$14.00	\$16.40
3EP111	10	7	14	300	10 x 12	3	42	470	6	2200	\$234.00	\$15.00	\$17.40
3EP113	12	7 1/2	15	275	12 x 12	3 1/2	46	470	8	2450	\$282.00	\$15.00	\$17.40

When Built-in Magneto is ordered, battery equipment is also furnished with the large sizes from 6 1/2 H. P. up.

GALVANIZED STORAGE TANKS

For Storing Water in House-plumbing Systems

Round End Tanks Our Leader \$3⁹⁵

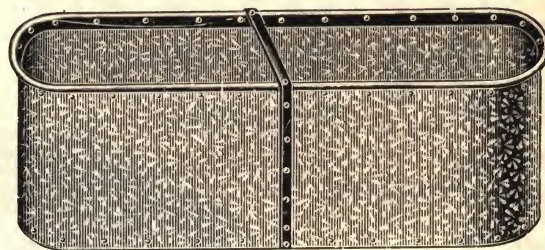
Our long, round end Galvanized Water Storage Tanks are the most popular storage tanks for house plumbing systems on the market at the present time. A long end tank has an advantage over a round tank where a large amount of water is required to be stored, or where the rafters of the building, or the construction, is not very strong.

The advantage of a long tank of this kind lies in the fact that it spreads the weight of the water out over a greater area. It takes in more rafters, so that the weight is not concentrated at one point. There is no chance of the rafters bulging downward, causing cracking of plaster, etc., as sometimes occurs where a matter of this kind is not taken into consideration.

The attic tank should always be placed over a partition on the floor below, so that the weight will rest on the partition. Never locate it over the center of a room.

You will note that we ship these tanks either set up or knocked down. If your house is not yet built, you can have the tank shipped set up if you order it in time to get it into the attic during the construction of the building, and before all the rafters are put on.

If there is not an opening to your attic large enough to admit the size tank you want, you can order the tank shipped knocked down and build it in the attic yourself. Tanks are very strongly and substantially built, of No. 20 gauge galvanized steel, heavily reinforced, as shown in illustration.



	Width	Height	Length	Capacity	Weight	Price at warehouse
2EF53210	2 ft.	2 ft.	4 ft.	3 bbl.	55	\$ 3.95
2EF53211	2 ft.	2 ft.	6 ft.	4 1/2 bbl.	75	5.30
2EF53212	2 ft.	2 ft.	8 ft.	6 1/2 bbl.	95	6.60
2EF53213	2 1/2 ft.	2 1/2 ft.	8 ft.	8 bbl.	115	8.95
2EF53214	3 ft.	2 1/2 ft.	8 ft.	8 bbl.	103	8.95
2EF53215	3 ft.	2 1/2 ft.	8 ft.	9 1/2 bbl.	120	9.35
2EF53216	4 ft.	2 1/2 ft.	8 ft.	13 bbl.	140	11.35
2EF53217	4 ft.	2 1/2 ft.	8 ft.	16 bbl.	155	11.75
2EF53218	4 ft.	2 1/2 ft.	8 ft.	19 bbl.	175	13.95
2EF53219	4 ft.	2 1/2 ft.	10 ft.	12 bbl.	145	11.35
2EF53220	3 ft.	2 1/2 ft.	10 ft.	15 1/2 bbl.	165	11.65
2EF53221	3 ft.	2 1/2 ft.	10 ft.	18 bbl.	190	13.95
2EF53222	4 ft.	2 ft.	10 ft.	16 bbl.	170	13.75
2EF53223	4 ft.	2 ft.	10 ft.	25 bbl.	215	15.95
2EF53224	4 ft.	2 ft.	10 ft.	27 bbl.	280	19.95

Note—Prices quoted are at Kansas City warehouse.

Round Water Storage Tanks

\$3⁹⁵

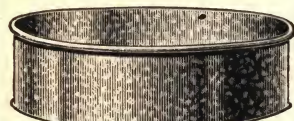
Where a tank can be located in attic over good strong studding below, we recommend the round style of tank. It requires no side bracing whatever, and as the force or pressure of water is equal in all directions, the circular design gives the strongest possible construction to withstand this pressure.

Our circular water storage tanks are guaranteed up to the same high standard of workmanship as our long round-end storage tanks. Every tank is fully guaranteed. Made from regular No. 20 United States Standard Gauge Galvanized Steel. This gauge we have found to be sufficiently heavy for all practical use. If No. 18 Gauge Steel is wanted, we can furnish same at 20% above prices given below.

NOTE—Prices quoted below are for tank at Kansas City warehouse.

No.	Diam.	Height	Capacity	Weight	Price
2EF53000	3 ft.	2 ft.	3 bbl.	52 lbs.	\$ 3.95
2EF53001	4 ft.	2 1/2 ft.	7 bbl.	85 lbs.	5.95
2EF53002	4 ft.	3 ft.	8 bbl.	95 lbs.	6.55
2EF53003	4 ft.	4 ft.	12 bbl.	115 lbs.	9.25
2EF53004	4 ft.	4 ft.	12 bbl.	98 lbs.	7.10
2EF53005	5 ft.	2 1/2 ft.	10 1/2 bbl.	110 lbs.	8.30
2EF53006	5 ft.	3 ft.	12 bbl.	120 lbs.	9.80
2EF53007	5 ft.	3 ft.	12 1/2 bbl.	140 lbs.	11.95
2EF53008	6 ft.	2 ft.	12 1/2 bbl.	125 lbs.	9.80
2EF53009	6 ft.	2 1/2 ft.	15 1/2 bbl.	140 lbs.	11.40
2EF53010	6 ft.	3 ft.	19 bbl.	155 lbs.	12.75
2EF53011	6 ft.	4 ft.	25 1/2 bbl.	195 lbs.	14.95
2EF53012	6 ft.	5 ft.	31 1/2 bbl.	210 lbs.	17.95

2EF53018—Hinged Covers, price per sq. ft. 15c
2EF53019—For 18-gauge steel, add to above prices, 20 per cent.
2EF53020—1/4, 1 or 1 1/4-in. pipe connections. State size. Each.... 25c



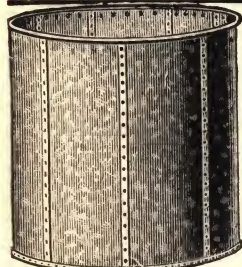
Always Shipped Set Up
If Not Ordered Knocked Down.

Hinged Covers



HINGED COVERS like illustrations can be furnished with any of our steel tanks. Price given is for each square foot. In figuring the square feet of round cover, multiply the square to get the number of feet. For instance, a round cover 6 ft. in diameter would be 6x6 or 36 sq. ft. Shipping weight, about 2 lbs. per foot.

2EF53071—Per square foot 15c
2EF53072—Per square foot 15c



On the small sizes we quote both No. 18 and No. 20. gauge steel, but on the larger sizes do not recommend less than No. 18. Pipe connections, covers and faucets same as on round stock tanks. Prices are at Kansas City warehouse.

No.	Diam.	Height	Capacity	Weight	Price	No.	Diam.	Height	Capacity	Weight	Price
2EF53041	6 ft.	6 ft.	40 bbl.	265 lbs.	\$20.85	2EF53050	6 ft.	6 ft.	320 lbs.	320 lbs.	\$24.90
2EF53042	6 ft.	8 ft.	53 bbl.	330 lbs.	26.95	2EF53051	6 ft.	8 ft.	400 lbs.	400 lbs.	32.90
2EF53043	8 ft.	8 ft.	60 bbl.	355 lbs.	27.95	2EF53052	8 ft.	8 ft.	430 lbs.	430 lbs.	33.90
2EF53044	8 ft.	6 ft.	72 bbl.	440 lbs.	30.95	2EF53053	8 ft.	10 ft.	510 lbs.	510 lbs.	37.50
2EF53045	8 ft.	8 ft.	95 bbl.	520 lbs.	38.50	2EF53054	8 ft.	10 ft.	610 lbs.	610 lbs.	46.50
2EF53046	10 ft.	8 ft.	150 bbl.	635 lbs.	53.00	2EF53055	8 ft.	10 ft.	990 lbs.	990 lbs.	63.95
2EF53047	10 ft.	10 ft.	186 bbl.	740 lbs.	59.50	2EF53056	8 ft.	10 ft.	990 lbs.	990 lbs.	71.40

Round Storage Tanks

Made of Galvanized Steel

\$20⁸⁵ and up

Riveted and Soldered Seams Shipped Set Up or Knocked Down

All Tanks under 8x8 can be shipped set up, and while they take a higher freight rate this cost is more than offset in the cost of setting up. We will therefore ship set up unless instructed in your order to ship K. D. Solder and rivets, also full instructions, accompany each tank when shipped, so that completion is easily understood.

Square End Tanks

Always Shipped Set Up if Not Ordered Knocked Down \$4⁶⁵



Made of No. 20 U. S. Standard Gauge Steel. All tanks 6 and 8 ft. in length furnished with one angle brace across the top and two angle braces on each side. On 10-ft. tank two angle braces across the top and three on each side. Prices are at Kansas City warehouse.

No.	Width	Height	Length	Capacity	Weight	Price
2EF53060	2 ft.	2 ft.	4 ft.	4 bbl.	78 lbs.	\$ 4.65
2EF53061	2 ft.	2 ft.	6 ft.	6 bbl.	108 lbs.	5.95
2EF53062	2 1/2 ft.	2 1/2 ft.	8 ft.	9 1/2 bbl.	146 lbs.	8.95
2EF53063	2 1/2 ft.	2 1/2 ft.	8 ft.	12 bbl.	167 lbs.	9.85
2EF53064	3 ft.	2 ft.	8 ft.	12 bbl.	154 lbs.	9.95
2EF53065	4 ft.	2 ft.	8 ft.	15 bbl.	183 lbs.	11.25
2EF53066	4 ft.	2 ft.	10 ft.	19 bbl.	225 lbs.	13.75

Every tank absolutely guaranteed to give satisfaction.

\$16⁶⁰ Round Wood Storage Tanks



Our large capacity wooden storage tanks are always shipped knocked down. Made of 2 inch pine or 1 1/2 inch or 2 inch cypress. These tanks are all made with straight staves. Hoops regularly furnished are flat, but we can furnish round rod type hoops at same prices, if specified in order. Hoops are fitted with adjustable tank lugs for tightening.

Prices quoted are for tank at Kansas City warehouse. In ordering, be sure to state whether pine or cypress is wanted. Also state thickness. Tanks are easily assembled, and fully guaranteed.

Cat. No.	Length of stave (ft.)	Diam. of bottom (ft.)	No. hoops	Capacity (bbls.)	Price 2 in. pine or 1 1/2 in. cypress	Price made of 2 in. cypress
2EF53170	4	6	3	22	\$16.60	\$24.50
2EF53171	5	6	4	29	18.90	26.45
2EF53172	6	6	5	35	18.50	25.85
2EF53173	6	8	6	35	22.40	31.50
2EF53174	6	8	6	61	32.40	43.50
2EF53175	6	10	5	98	41.00	56.50
2EF53176	8	6	6	47	28.65	39.50
2EF53177	8	8	6	86	39.50	54.75
2EF53178	8	10	6	136	61.95	74.35

We carry a full line of Galvanized Steel Tank Towers for elevated storage tanks. Write us fully stating your requirements, and we will quote you very low prices on anything in this line.

2EF3180

Tank Covers for wood tanks up to 5 ft. diameter made of 1 in. matched lumber. Hinged lid. Price, per sq. ft. 11c

2EF3181

Tank Covers for wood tanks 6 ft. diameter or larger. Made of double thick 1 in. matched lumber, with 2 in. lids. Price, per sq. ft. 16c

CERAMIC MOSAIC FLOOR TILE

The Most Economical Floor Material on the Market

For Bathroom, Kitchen and Vestibule Floors

CERAMIC Mosaic Floor Tile is used in modern homes for bathroom, kitchen, and vestibule floors, and in drug stores, buffets, banks, ice cream parlors, and store entrances. In hospitals and great hotels, where absolute cleanliness and spotless purity is necessary, Ceramic Mosaic Floor Tile is used almost exclusively. In the store, its beauty is a trade puller; in the home, a delight to the housewife. Easily cleaned and extremely durable.

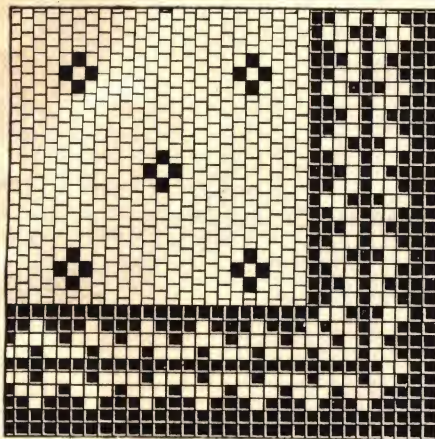
No previous experience is necessary to lay this tile—complete and simple directions are sent with each shipment. Can be laid over old floors, but best results are obtained with the regular concrete base.

The three designs shown here can be furnished in colors, at slightly varying prices. Send the dimensions of the room to be tiled, and the design and colors desired, and let us submit an estimate. Our prices are the lowest and are quoted on first quality only. We sell direct from the factory to you, and are thus enabled to offer you this perfect floor material at bed-rock prices.

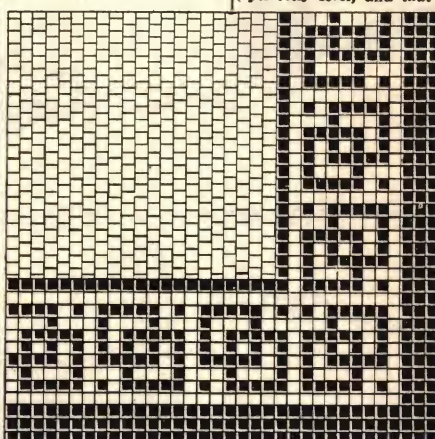
Simple Directions for Laying Floor Tile

The foundation, not less than 3 inches deep, should allow from 2 to 2½ inches for concrete and the remainder for the cement coat and tile. The concrete should consist of one part cement, two parts sharp sand and two parts gravel, all well mixed with water and beaten down. Next comes the cement coat, consisting of equal parts of sand and cement. This is spread evenly, and the tiled sheets are laid carefully on it with the paper side up. Only part of the floor should be laid at a time, and when it has been covered, the tile should be beaten into the mortar with a block and hammer, until the mortar is visible in the joints between the paper. Then the paper should be thoroughly soaked and removed by starting from a corner and peeling it off slowly. Then the tile should be sprinkled with white sand, and the surface made perfectly level by beating it down. After this, the floor should set for two hours, and then the joints should be filled in with a thin mixture of pure liquid cement, the surplus cement being removed by wiping with a wet flannel. Let the floor stand for a day or two and then rub it with sharp sand and a piece of soft lumber.

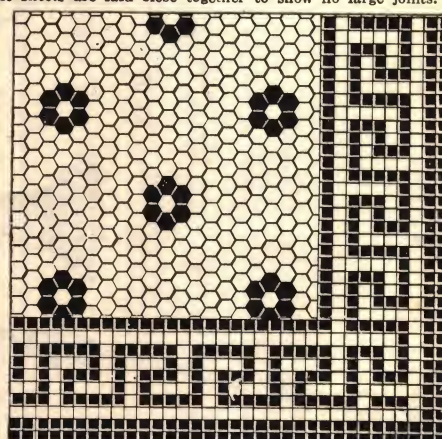
IMPORTANT: Care should be taken that the foundation and floors are made perfectly level, and that the sheets are laid close together to show no large joints.



HF50010—Red and white or black and white Ceramic Mosaic floor tile. Per square foot.....17c
HF50011—Blue and white Ceramic Mosaic floor tile. Per square foot20c



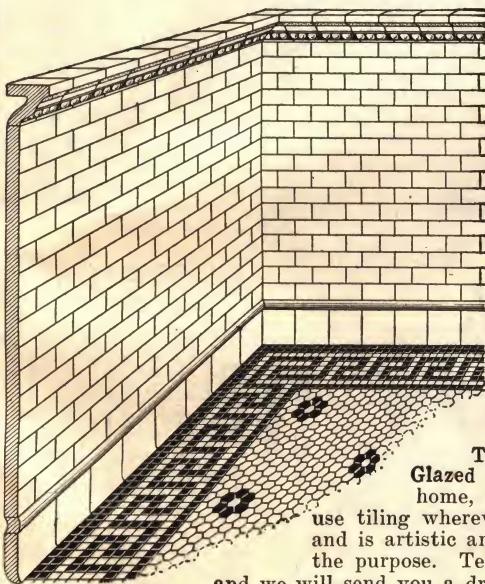
2HF50020—Red and white or black and white Ceramic Mosaic floor tile. Per square foot.....16½c
2HF50021—Blue and white Ceramic Mosaic floor tile. Per square foot.....19½c



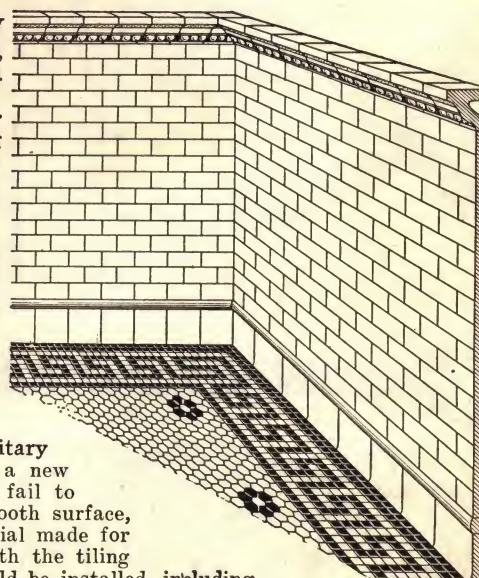
2HF50025—Red and white or black and white Ceramic Mosaic floor tile. Per square foot.....18c
2HF50026—Blue and white Ceramic Mosaic floor tile. Per square foot.....21c

We Pack Mosaic Floor Tile in Boxes Containing 50 Square Feet for Which a Net Charge of 20 Cents per Box is Made. All Tiling on This Page Shipped from Factory in West Virginia.

PLEASING WALL COVERINGS



Glazed Tiling makes a very handsome finish for door trims, cane bases, stops and angles; for bathroom, kitchen and vestibules. This is one of the most pleasing designs of the year. Send us a rough sketch or blue print of the room to be tiled. We will furnish an estimate free on the exact amount of tiling. Tiling is one of the most serviceable wall and floor coverings and one which always looks neat and attractive, and is easy to keep clean.



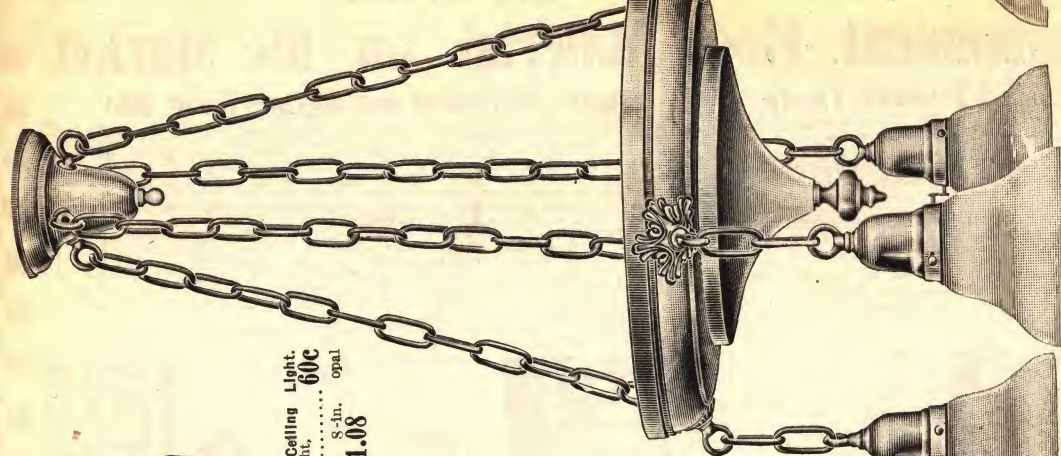
The above illustration shows our Sanitary Glazed White Tile. If you are building a new home, or remodeling an old one, do not fail to use tiling wherever possible. It has a perfect, smooth surface, and is artistic and durable beyond any other material made for the purpose. Tell us what you intend covering with the tiling and we will send you a drawing showing how the tiling should be installed, including trimmings and other extras.

Send size of bathroom wall, showing opening for windows and doors. We will submit price complete.

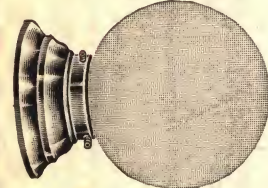
2HF50000
Body. Size, 6x3 inches. Per square feet. Each.....29c
Base. Size, 6x6 inches. Each.....19c
Cap. Size, 6x1½ inches. Each.....8c
Angles and corners.....12c



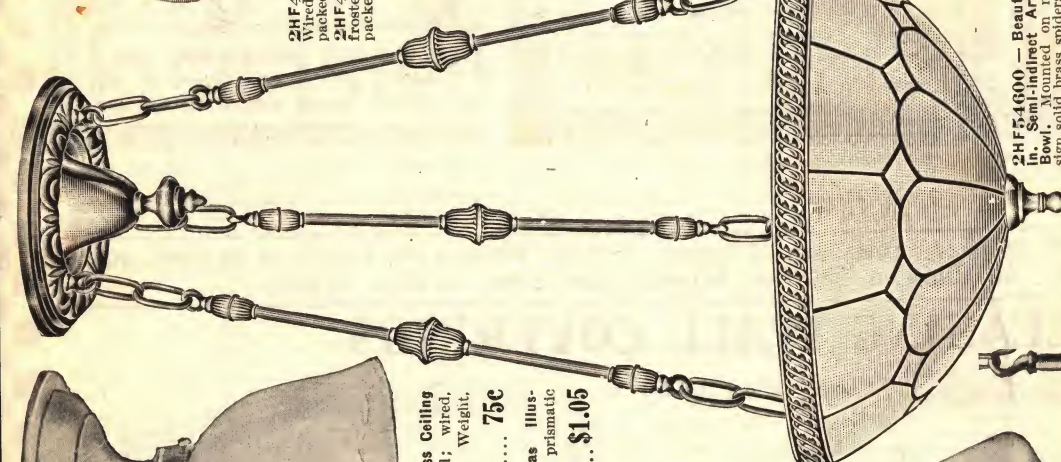
2HF4275—Combination Fixture. For one electric and one gas. Finished in satin brass. Length 42 in. Complete as illustrated. Weight, 20 lbs. Price..... **\$1.90**



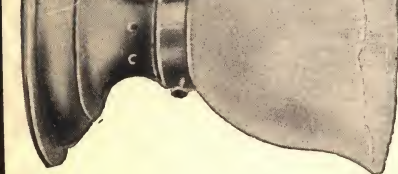
2HF54001—Rich Looking Electric Shower. Highly polished Brush Brass, with 16 in. spread. Length, 36 in.
2HF54001-3 lights. Complete with Globes. Wired..... **\$5.50**
2HF54002-4 lights. Complete with Globes. Wired..... **6.25**
2HF54003-4 lights, with one center light. Complete with Globes. Wired..... **\$7.50**



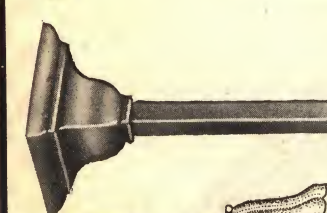
2HF4525—Brushed Brass Ceiling Light. Wired. Without globe. Weight, 60c
 packed, 8 lbs. Price..... **\$1.08**
2HF4530—Complete with globe. Weight, 20 lbs. Price..... **\$1.08**



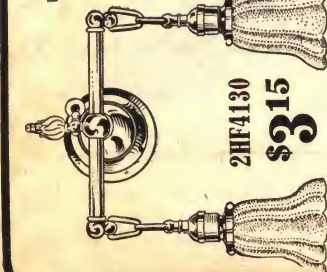
2HF54600—Beautiful 17 in. Semi-Indirect Art Glass Bowl. Mounted on new design solid brass spider. Art Glass back complete. Length, 36 in. Wired. Price..... **\$10.00**



2HF4065—Brushed Brass Ceiling Fixture. Highly polished; wired, complete, less the globe. Weight, 75c
 packed, 8 lbs. Price..... **\$1.05**



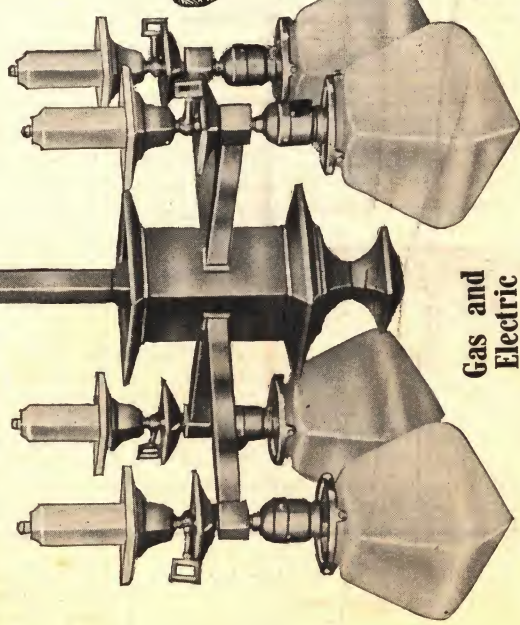
2HF4070—Complete as illustrated, with 7-inch prismatic globe. Price..... **\$1.05**



2HF4130
\$3.15

2HF4130—Combination Gas and Electric Bracket. Gas light in center, two electric on slides; complete, as illustrated, with crystal opal frosted globe. Weight, packed, 20 lbs. Price..... **\$3.15**

Send for our New Complete Catalogue on Lighting Fixtures. Sent Free on Request



Gas and Electric

2HF4455—Square Colonial Combination Gas and Electric Chandelier; finished in highly polished brushed brass. Length, 42 in., with 20-in. spread. This is a very handsome Colonial fixture. For four gas and four electric lights, wired, less glassware. Weight, 50 lbs. Price..... **\$7.75**

2HF4460—C. as illustrated..... **\$8.75**

2HF4075—8-Paneled Green-Gold Art Glass Dome. Fitted with 5-in. beaded fringe to match. The panels are joined by satin silver brass. This shade is very ornamental, and particularly handsome when lighted. It is furnished complete with three sockets, wire and chain, ready to hang. Shade is 22 in. in diameter. Weight, packed about 50 lbs.

2HF54005—Classy Hall Light. Highly polished Brush Brass. Length, 36 in. With Colonial Art Shade, size 6x8 in. Pull Chain Socket. Complete, as illustrated. Wired..... **\$5.95**

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SAMPLES OF NEW WALL PAPER PATTERNS

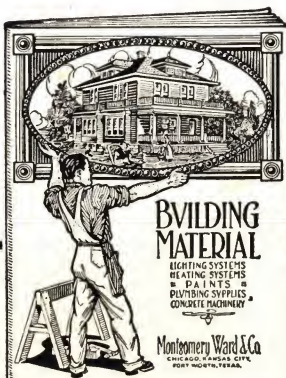
The present season has brought out a great number of new and pleasing Wall Paper patterns. In this book we show actual samples of the latest and most attractive designs. Our prices offer remarkable savings in wall coverings for every purpose, including appropriate designs and materials for every room in the house. Our complete instructions make it easy and distinctly profitable to do your own papering. For economy and satisfaction, send for this free book.

THREE MONEY-SAVING BOOKS FOR PROSPECTIVE BUILDERS



Guaranteed Prepared Roofing

Prepared roofings are handsome, long-lasting and astonishingly economical. From the complete line of dependable and low-priced ready roofings displayed in this Free Catalogue, you will find no difficulty in selecting a roofing that will exactly fit your requirements. We also quote lowest prices on metal roofings and siding, building papers, and roofing trimmings and accessories of every sort.

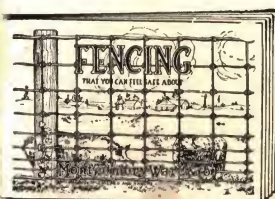


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Before making a single purchase of lumber, interior trim or any other kind of material, you should have this Building Material Book. It lists a thoroughly complete and up-to-date line of high-quality building materials, quoted at prices that assure positive savings of from 10% to 50%. You will find every item exactly as described in this book; every kind of material to be full value for the price you pay; and that you will make a distinct saving on every purchase. If you are planning any sort of building or repairs, make it a point to get this guide to building economy.

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Our new fencing prices offer worth-while economies in fencing for every purpose. Whatever your fencing needs may be, we are sure that you will find in this Catalogue the fencing that you want—and at a much lower price than you would pay elsewhere.



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Shows how to increase your profits and lessen your work. Full details of our New Improved Golden Harvest, close-skimming hand separator, and our new, wonderful “Automatic”—the separator that skims while you milk. Every farmer and dairyman should have this free book.



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DO NOT PLACE YOUR ORDER FOR A HEATING PLANT

We furnish plans and instructions for installing

UNTIL YOU GET OUR ESTIMATE

You can install the plant yourself

\$191⁵⁰

Buys Complete Modern Hot Water Heating System for This House



This proposal includes everything required to install a complete hot water heating system in this building, in a first-class workmanlike manner. The boiler furnished with this equipment is our No. 218 "Improved Giant Windsor" Boiler, one of the best hot water heating boilers on the market at the present time.

This boiler is rated at a capacity of 600 square feet of direct hot water radiation. We will furnish a total of 320 square feet of direct hot water radiation divided up into nine radiators, properly distributed throughout the different rooms in the building. Everything to the very last detail included, such as radiator bronze, pipe covering, etc. We furnish full plans and instructions for installing. Any man handy with tools can easily install our heating systems by following the simple plans and instructions. Detailed specifications of this proposal sent free on request. Plant is fully guaranteed.

\$175⁹⁰

For Complete Hot Water Heating System

for This House



This proposal includes all material required to install modern hot water heating plant in above building, with full plans and instructions for installing. With this outfit we will furnish one of our No. 218 round "Improved Giant Windsor" Boilers, having a rated capacity of 600 square feet of direct hot water radiation. We will furnish a total of 270 square feet of direct hot water radiation made up in ten radiators, properly distributed throughout the different rooms in building.

This proposal includes all piping, valves, fittings, heat expansion tank, altitude gauge, thermometer, etc., pipe covering, decorating bronze—in fact, everything necessary to install job in first-class shape. Any man handy with tools can easily install our heating systems by following the simple plans and instructions. Plant is fully guaranteed. Detailed specifications of this proposal sent free on request.

\$233⁵⁰

Buys Hot Water Heating System For This Building



Includes everything required to completely equip this building with a modern hot water heating system. Our "Improved Giant Windsor" Boiler, No. 221, rated 825 square feet of direct hot water radiation, is furnished with this plant, including all piping, valves, fittings, hangers, expansion tank, heat generator, pipe covering, decorating bronze, not a single detail omitted.

This proposal includes a total of 405 square feet of direct hot water radiation, properly distributed throughout the different rooms. We furnish complete blue print plans and instructions for installing. Any man handy with tools can easily install our heating systems by following the simple plans and instructions. Plant is fully guaranteed. Detailed specifications of this proposal sent free on request.

\$262¹⁰

For Complete Hot Water Heating System

for This Large Residence



Our complete hot water heating equipment for this modern home includes our "Improved Giant Windsor" Boiler, No. 321, having rated capacity of 925 square feet of direct hot water radiation. We will furnish a total of 475 square feet of radiation, divided up into ten radiators, properly distributed throughout the different rooms.

This proposal includes all piping, fittings, valves, in fact complete equipment required for installing a modern heating system in the building, as described, Plant is fully guaranteed. Proposal includes complete detailed plans and instructions for installing, so that any man handy with tools can easily do the work. Detailed specifications of this proposal furnished free on request.

WE GUARANTEE SATISFACTION

Remember, every one of our hot water heating systems is backed by our broad and binding guarantee. Our heating systems are estimated by skilled engineers, and every plant is absolutely guaranteed to maintain the specified temperatures in the coldest weather that you will ever experience in your locality. If our simple plans and instructions are followed, success is assured.

TO GET OUR ESTIMATE

Get one of our special Heating Information blanks. Fill it out carefully. Return it to us, and our engineers will figure a complete heating system for you. Our complete proposal, with detailed specifications, will be sent to you by return mail. Any ordinary mechanic can install our modern heating systems. You will be surprised at the very low price we can make you.

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Our special heating Catalogue, "Modern Home Heating," fully explains our great heating proposition. Contains much valuable information concerning every phase of the home heating problem. Write today for a free copy of this valuable book. We want you to have a copy of this book, whether you wish to order or not. Sent Free, Postpaid, to any address.

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